

PERFORMANCE REPORT
for the



**AWARDS TO HISTORICALLY BLACK COLLEGES
AND UNIVERSITIES
FY 2002**

**U. S. Department of Agriculture
Representative
To the
White House Initiative
On Historically Black Colleges and Universities**

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Acknowledgments:

USDA agencies provided input to this report via the USDA Education Coordinating Council (ECC). The ECC is a body of senior level policy officials from all USDA agencies who provide input for coordinating responses to government-wide education initiatives. Agency budget staff, civil rights and human resources specialists, and program managers provide information needed to complete this report. The Office of Budget and Program Analysis compiled and reviewed the figures reflected in this report.

**U. S. Department of Agriculture
Annual Performance Report
To the
White House Initiative on
Historically Black Colleges and Universities**

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AGENCY ACRONYMS

<u>AGENCY</u>	<u>ACRONYM</u>
Agricultural Marketing Service	AMS
Agricultural Research Service	ARS
Animal and Plant Health Inspection Service	APHIS
Departmental Administration	DA
Cooperative State Research, Education and Extension Service	CSREES
Economic Research Service	ERS
Executive Operations	EO
Farm Service Agency	FSA
Food and Nutrition Service	FNS
Food Safety and Inspection Service	FSIS
Foreign Agricultural Service	FAS
Forest Service	FS
Grain Inspection, Packers and Stockyards Administration	GIPSA
National Agricultural Statistics Service	NASS
National Appeals Division	NAD
Natural Resources Conservation Service	NRCS
Office of Budget and Program Analysis	OBPA
Office of the Chief Financial Officer	OCFO
Office of the Chief Information Officer	OCIO
Office of Civil Rights	OCR
Office of Communications	OC
Office of Human Resources Management	OHRM
Office of the General Counsel	OGC
Office of the Inspector General	OIG
Office of Operations	OO
Office of the Secretary	OSEC
Risk Management Agency	RMA
Rural Business-Cooperative Service	RBS
Rural Housing Service	RHS
Rural Utilities Service	RUS

**UNITED STATES DEPARTMENT OF AGRICULTURE
SUMMARY OF AGENCY AWARDS TO HBCUs
FY 2002**

CATEGORY	FUNDING FOR AWARDS TO IHE+	FUNDING FOR AWARDS TO HBCUs *	Awards to HBCUs as % of total Awards to IHE
1. Research & Development	\$684,339,043	\$50,508,090	7.38%
2. Program Evaluation	\$3,144,317	\$1,036,913	32.98%
3. Training	\$7,862,048	\$1,145,861	14.57%
4. Facilities and Equipment	\$31,651,111	\$13,715,941	43.33%
5. National/International Fellowships, Traineeships, Internships, Recruitment, and IPAs	\$62,298,004	\$8,319,252	13.54%
6. Student Tuition Assistance, Scholarships, and Other Aid	\$3,202,833	\$1,169,954	36.53%
7. Direct Institutional Subsidies	\$409,405,340	\$33,386,650	8.15%
8. Third Party Awards	\$673,000	\$53,000	7.88%
9. Private Sector Involvement	\$0	\$0	--
10. Administrative Infrastructure	\$41,800	\$400	0.96%
11. Other	\$59,901,969	\$2,145,899	3.58%
Total	\$1,262,519,464	\$111,600,907	8.84%

AWARDS TO INSTITUTIONS FY 2002

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	2,662,201	115,000	186,421	705,335	413,537	22,615	1,573,345	0	0	0	100,000	5,778,454
TUSKEGEE UNIVERSITY	3,455,675	0	263,193	705,335	371,669	155,160	1,523,345	10,000	0	0	30,509	6,514,886
ARKANSAS												
U. OF ARKANSAS @ PB	2,593,550	75,157	79,220	693,207	637,596	100,929	1,373,458	0	0	0	5,000	5,558,117
DELAWARE												
DELAWARE STATE	1,440,590	157	800	633,024	176,343	73,361	1,010,988	1,000	0	0	0	3,336,263
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	0	0	0	0	14,248	0	0	0	0	0	0	14,248
UNIV. OF D. C.	659,349	0	0	0	456,951	0	1,006,521	0	0	0	0	2,122,821
FLORIDA												
FLORIDA A&M	2,453,332	50,633	382,000	708,913	344,598	80,773	1,338,870	0	0	0	0	5,359,119
GEORGIA												
ALBANY STATE	0	0	0	0	9,000	0	0	0	0	0	0	9,000
CLARK ATLANTA U.	174,219	0	0	0	0	0	0	0	0	0	0	174,219
FORT VALLEY STATE	2,499,954	157	24,500	740,102	226,931	136,540	1,854,929	0	0	0	0	5,483,113
MOREHOUSE COLLEGE	0	0	0	0	3,000	0	0	0	0	0	0	3,000
KENTUCKY												
KENTUCKY STATE	2,543,232	65,157	36,200	778,491	213,036	36,497	2,323,208	1,000	0	0	0	5,996,821

AWARDS TO INSTITUTIONS FY 2002

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
LOUISIANA												
DILLARD UNIVERSITY	0	0	0	0	0	59,361	0	0	0	0	0	59,361
SOUTHERN U. & A&M	1,583,197	157	0	839,631	528,648	52,974	1,274,709	0	0	0	0	4,279,316
SOUTHERN/NEW ORLEANS	310,000	0	0	0	19,415	16,823	2,000	0	0	0	0	348,238
XAVIER UNIVERSITY	0	0	0	0	0	33,939	0	0	0	0	0	33,939
MARYLAND												
BOWIE STATE	0	0	0	0	41,913	0	0	0	0	0	0	41,913
COPPIN STATE	0	0	0	0	8,382	0	0	0	0	0	0	8,382
MORGAN STATE	25,000	0	0	0	27,065	0	0	0	0	0	0	52,065
U. OF MARYLAND ES	2,444,287	157	21,000	669,066	261,491	49,003	1,012,117	1,000	0	0	10,000	4,468,121
MISSISSIPPI												
ALCORN STATE	2,864,819	155,406	89,000	696,610	530,616	41,985	1,490,899	0	0	0	0	5,869,335
MISSISSIPPI VALLEY	648,000	0	0	0	0	0	0	0	0	0	0	648,000
MISSOURI												
LINCOLN UNIVERSITY	2,461,871	157	355,000	822,267	479,865	31,090	2,252,718	0	0	0	0	6,210,055
NORTH CAROLINA												
N. C. A&T STATE	4,047,059	0	7,000	826,683	415,124	104,792	2,722,087	0	0	0	0	8,122,745
WINSTON-SALEM STATE	75,000	0	0	0	0	0	0	0	0	0	0	75,000
OKLAHOMA												
LANGSTON UNIV.	1,957,165	70,557	9,600	719,627	14,235	30,802	1,386,211	0	0	400	0	4,188,597
SOUTH CAROLINA												

AWARDS TO INSTITUTIONS FY 2002

S. C. STATE UNIV.	1,802,210	157	25,000	733,193	35,256	37,486	1,345,212	0	0	0	0	3,978,514
STATE/INSTITUTION TENNESSEE	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
TENNESSEE STATE	2,969,939	157	0	745,205	226,671	78,334	2,065,730	0	0	0	0	6,086,036
TEXAS												
PRAIRIE VIEW A&M	3,865,047	157	17,000	835,214	491,294	50,924	2,882,375	0	0	0	10,000	8,152,011
VIRGINIA												
HAMPTON UNIV.	0	0	0	0	5,212	0	0	0	0	0	0	5,212
VIRGINIA STATE	2,515,101	166,134	0	726,357	214,212	41,446	1,752,853	0	0	0	0	5,416,103
WEST VIRGINIA												
W. VIRGINIA STATE	1,001,270	0	12,540	671,086	0	0	1,042,706	0	0	0	0	2,727,602
U.S. VIRGIN ISLANDS												
UNIV. OF THE V. I.	1,138,891	0	0	0	0	0	910,129	0	0	0	0	2,049,020
AGENCY LIAISON OFFICERS UNDISTRIBUTED/OTHER	0	0	0	0	0	0	0	0	0	0	1,773,320	1,773,320
GRAND TOTAL	50,508,090	699,300	1,508,474	13,789,346	8,319,252	1,288,901	33,386,650	48,000	0	400	2,052,494	111,600,907

EXECUTIVE SUMMARY

The Department of Agriculture (USDA) has a strong and continuing commitment to strengthening its partnerships with Historically Black Colleges and Universities (HBCUs) as well as other minority serving institutions. The programs and activities build on the significant investments the Department has made in recent years in the entire range of opportunities to further mutual goals offered by HBCUs. The return on these investments can be seen on campuses in vibrant programs and new facilities, and throughout the country in the research, education and outreach activities conducted through HBCUs and in the contributions HBCU graduates make as USDA employees through programs that touch the lives of virtually every U.S. citizen.

As the lead Federal agency for higher education in the food and agricultural sciences, USDA continues to work closely with colleges and universities to assure excellence in U.S. higher education. The Department also continues to work with institutions to insure that the Nation has an adequate supply of scientists and professionals with requisite expertise in the food and agricultural sciences and to ensure the adequacy of the Nation's research base in the food and agricultural sciences.

USDA works with all universities and colleges that have programs in the food and agricultural sciences but has a special relationship to the land-grant system. There are 106 land-grant institutions located in each State, the District of Columbia, and some territories and include the 31 tribal colleges designated as land-grant institutions in 1994. These land-grant institutions include Tuskegee University and 17 other institutions authorized to receive funds under the Second Morrill Act of 1890 (as amended). These 1890 Institutions and Tuskegee University receive significant support under statutory formula programs to carry out food, agriculture and natural resources programs that fulfill the land-grant missions of research, education, and teaching and in this way contribute to many of the national goals of the Department of Agriculture.

USDA's Strategic Plan for FY 2002-2007 discusses the importance of the Nation's food and agricultural system in shaping America's economy—globalization of markets, advances in technology, new delivery systems, and modern science. HBCUs are assisting USDA in every aspect of this plan and helping to shape the communities in which we live. Actionable Strategies offer opportunities to work with the universities to advance an understanding of global programs. Research and education taking place at the universities offer the opportunity to build on the accomplishments that have already taken place and ensure the continued growth of capacity development for the schools and the future professionals of this Nation.

During fiscal year 2002, USDA provided over \$111 million to support HBCUs. This constitutes 8.8 percent of total awards the Department made to all institutions of higher education during the fiscal year. It reflects an increase in the percentage of funds being provided to HBCUs over FY 2001 funding. Several agencies suffered decreases in discretionary funds due to absorbing the federal pay increases and the Forest Service made significant transfers to assist the Nationwide Fire Suppression activities during FY 2002.

The principal programs and activities that USDA conducted during fiscal year 2002, and remain strong with the Department, are the following:

- 1) Building the research and teaching capacity of the 1890 HBCUs in the agricultural and natural resource related programs through faculty and curriculum development programs and facilities improvements. The Capacity Building Grants Program, a program of competitive awards for research and teaching begun in 1990, is a cornerstone of the Department's 1890 initiatives. During FY 2002, a little more than half of the \$9.4 million was awarded to institutions to support 24 teaching projects and the rest was provided for 17 research awards. The FAS, through the Direct Assistance Program, provided nearly \$2.5 million for HBCUs to support technical agricultural research in developing countries overseas where projects provide mutual benefit both here and overseas
- 2) Recruiting future employees by maintaining or increasing the number of students sponsored by USDA agencies through summer internships, the USDA National Scholars program, and fellowships. The USDA/1890 Scholars Program began in 1993. National Scholars are provided scholarships based on academic achievements, leadership qualities, and community service. The Department continues to strive to support at least two new students for each 1890 Institution each year. In FY 2002, USDA agencies supported 124 National Scholars. HBCUs are also providing interns to USDA agencies to help support research on key issues such as food safety, diet and nutrition
- 3) Increasing participation of the HBCUs in Departmental programs and missions, through grants, cooperative agreements, in-kind contributions, and an USDA presence on campuses. Agencies are continuing to establish and support at least one Center of Excellence – an on-campus entity that, at least in part, is dedicated to supporting the program objectives of one or more USDA agencies – at each 1890 University. The Department has established offices and placed Liaison Officers at 17 campuses of the 1890 Land-Grant Institutions. The liaisons serve as a focal point for the university students and faculty to receive information on student and faculty development programs supported by the Department and all Departmental programs available to offer financial and other assistance. The Department's agencies collectively contributed more than \$1.7 million in 2002 to support these liaison activities.
- 4) Maintaining the infrastructure at the 1890s by providing funding for research and extension program activities. Universities have broad authority to use research and extension formula funds to address state level problems. Generally, the 1890s place emphasis on small-scale agriculture, human nutrition, rural development and quality of living, crop resources, and animal resources. Extension programs conducted at the 1890 Institutions are designed to help a diverse audience, with emphasis on those with limited resources, to improve their quality of life through the application of educational, resource-based information focused on critical issues and problems. The main programs target the small-scale agriculture producer and provide the latest facilities and permanent equipment at the 1890s under a program that provides wide latitude to each institution to direct funding to its institution-established priorities.

In an effort to strengthen these outreach efforts, the Secretary established an Office of Minority and Socially Disadvantaged Farmers Assistance (MDSA) to operate under the Farm Service Agency. While the office will work with many farmers and ranchers, the staff will respond to questions on other program areas. While establishing the MDSA, USDA's 2501 Program, Outreach for Socially Disadvantaged Farmers as authorized by section 2501 of the Food,

Agriculture, Conservation, and Trade Act of 1990, was transferred to CSREES to allow for better coordination, planning and distribution of grant-making and technical assistance programs for minority and disadvantaged farmers. These efforts will be coordinated with the 1890 and other land grant institutions and universities to ensure coordination with technical assistance and outreach efforts.

AGENCY SUMMARIES BY MISSION AREA

UNITED STATES DEPARTMENT OF AGRICULTURE
FY 2002 AWARDS TO HBCUS
BY

MISSION AREA AND AGENCY

AWARDS TO HBCUs

FARM AND FOREIGN AGRICULTURAL SERVICES (FFAS)

Farm Service Agency	\$346,020
Foreign Agricultural Service	2,708,299
Risk Management Agency	941,523
Total, FFAS	\$3,995,842

FOOD, NUTRITION, AND CONSUMER SERVICES (FNCS)

Food and Nutrition Service	135,327
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FOOD SAFETY (FS)

Food Safety and Inspection Service	442,699
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NATURAL RESOURCES AND ENVIRONMENT (NRE)

Forest Service	2,597,801
Natural Resources Conservation Service	1,904,099
Total, NRE	4,501,900

RESEARCH, EDUCATION AND ECONOMICS (REE)

Agricultural Research Service	2,378,632
Cooperative State Research, Education, and Extension Service	94,017,635
Economic Research Service	122,815
National Agricultural Statistics Service	39,832
Total, REE	96,558,914

RURAL DEVELOPMENT (RD)

Rural Development	2,008,153
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MARKETING AND REGULATORY PROGRAMS (MRP)

Agricultural Marketing Service	267,842
Animal and Plant Health Inspection Service	3,240,255
Grain Inspection, Packers, and Stockyards Administration	98,419
Total, MRP	3,606,516

DEPARTMENTAL ACTIVITIES

Departmental Administration	164,645
Executive Operations	5,367
Office of the Chief Financial Officer	151,952
Office of the Chief Information Officer	5,753
Office of Communications	2,224
Office of the General Counsel	6,488
Office of the Inspector General	13,583
Office of the Secretary	1,544
Total, Departmental Activities	351,556

TOTAL, USDA, FY 2002	\$111,600,907
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INSTITUTION TABLE BY MISSION AREA

FARM AND FOREIGN AGRICULTURAL SERVICES

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
ALABAMA												
ALABAMA A&M	0	115,000	98,000	0	0	0	0	0	0	0	0	213,000
TUSKEGEE UNIVERSITY	807,393	0	110,193	0	10,000	0	0	0	0	0	18,509	946,095
ARKANSAS												
U. OF ARKANSAS @ PB	0	75,157	27,720	0	10,162	8,609	0	0	0	0	0	121,648
DELAWARE												
DELAWARE STATE	0	157	0	0	4,526	11,043	0	0	0	0	0	15,726
DISTRICT OF COLUMBIA												
HOWARD UNIVERSITY	0	0	0	0	4,860	0	0	0	0	0	0	4,860
UNIV. OF D. C.	0	0	0	0	30,207	0	0	0	0	0	0	30,207
FLORIDA												
FLORIDA A&M	0	157	0	0	5,081	2,178	0	0	0	0	0	7,416
FLORIDA MEMORIAL	20,000	0	0	0	0	0	0	0	0	0	0	20,000
GEORGIA												
FORT VALLEY STATE	0	157	0	0	18,836	18,768	0	0	0	0	0	37,761
KENTUCKY												
KENTUCKY STATE	0	65,157	28,700	0	5,081	1,896	0	0	0	0	0	100,834

INSTITUTION TABLE BY MISSION AREA

LOUISIANA

SOUTHERN U. & A&M	0	157	0	0	20,081	13,964	0	0	0	0	0	34,202
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MARYLAND

U. OF MARYLAND ES	935,937	157	0	0	5,081	11,271	0	0	0	0	0	952,446
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MISSISSIPPI

ALCORN STATE	120,802	80,000	89,000	0	5,000	17,254	0	0	0	0	0	312,056
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MISSOURI

HARRIS STOWE STATE	0	0	0	0	0	0	0	0	0	0	0	0
LINCOLN UNIVERSITY	0	157	0	0	4,526	10,364	0	0	0	0	0	15,047

NORTH CAROLINA

N. C. A&T STATE	730,168	0	0	0	0	0	0	0	0	0	0	730,168
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OKLAHOMA

LANGSTON UNIV.	0	70,157	0	0	4,148	4,110	0	0	0	0	0	78,415
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SOUTH CAROLINA

S. C. STATE UNIV.	0	157	0	0	14,512	20,322	0	0	0	0	#VALUE!	34,991
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TENNESSEE

TENNESSEE STATE	0	157	0	0	5,081	5,087	0	0	0	0	0	10,325
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TEXAS

PRAIRIE VIEW A&M	0	157	0	0	13,876	9,324	0	0	0	0	0	23,357
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INSTITUTION TABLE BY MISSION AREA

VIRGINIA

VIRGINIA STATE	0	166,134	0	0	5,081	9,489	0	0	0	0	0	180,704
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AGENCY LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	121,584	121,584
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UNDISTRIBUTED/OTHER

TOTAL FARM AND FOREIGN AGRICULTURAL SERVICES

2,614,300	573,018	353,613	0	166,139	143,679	0	0	0	0	145,093	3,995,842
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FOOD NUTRITION AND CONSUMER SERVICES

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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DELAWARE

DELAWARE STATE					\$5,800	\$15,200						\$21,000
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MARYLAND

U. OF MARYLAND ES					\$5,800	\$15,200						\$21,000
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OKLAHOMA

LANGSTON UNIV.					\$5,800	\$15,200						\$21,000
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TENNESSEE

TENNESSEE STATE					\$5,800	\$15,200						\$21,000
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TEXAS

PRAIRIE VIEW A&M					\$5,800	\$15,200						\$21,000
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AGENCY LIAISON OFFICERS											\$30,327	\$30,327
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UNDISTRIBUTED/OTHER

TOTAL FOOD NUTRITION AND CONSUMER SERVICES

0	0	0	0	\$29,000	\$76,000	0	0	0	0	\$30,327	\$135,327
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INSTITUTION TABLE BY MISSION AREA

FOOD SAFETY

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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ALABAMA

ALABAMA A&M			68,421		1,203							69,624
TUSKEGEE UNIVERSITY					1675							1,675

DELAWARE

DELAWARE STATE					9707							9,707
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DISTRICT OF COLUMBIA

HOWARD UNIVERSITY					2,388							2,388
UNIV. OF D. C.					26,912							26,912

FLORIDA

FLORIDA A&M			20,000		982							20,982
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GEORGIA

FORT VALLEY STATE			23,000		695							23,695
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LOUISIANA

SOUTHERN/NEW ORLEANS					1415							1,415
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MARYLAND

BOWIE STATE					41,913							41,913
COPPIN STATE					8382							8,382
MORGAN STATE					18,971							18,971
U. OF MARYLAND ES					8076							8,076

INSTITUTION TABLE BY MISSION AREA

MISSOURI

LINCOLN UNIVERSITY			20000									20,000
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OKLAHOMA

LANGSTON UNIV.					803							803
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TEXAS

PRAIRIE VIEW A&M					1368							1,368
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VIRGINIA

HAMPTON UNIV.					5212							5,212
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AGENCY LIAISON OFFICERS											181576	181,576
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UNDISTRIBUTED/OTHER

0

TOTAL FOOD SAFETY	0	0	131,421	0	129,702	0	0	0	0	0	181,576	442,699
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NATURAL RESOURCES AND ENVIRONMENT

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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ALABAMA

ALABAMA A&M	205,000	0	0	0	212,000	22,615	50,000	0	0	0	0	489,615
TUSKEGEE UNIVERSITY	83,000	0	0	0	147,872	139,860	0	10,000	0	0	0	380,732

ARKANSAS

U. OF ARKANSAS @ PB	0	0	12,500	0	280	80,264	0	0	0	0	0	93,044
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INSTITUTION TABLE BY MISSION AREA

DELAWARE

DELAWARE STATE	290,000	0	0	0	0	22,300	0	0	0	0	0	312,300
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FLORIDA

FLORIDA A&M	385,000	0	0	0	109,100	8,500	0	0	0	0	0	502,600
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GEORGIA

CLARK ATLANTA U.	144,219	0	0	0	0	0	0	0	0	0	0	144,219
FORT VALLEY STATE	0	0	0	0	0	6,972	0	0	0	0	0	6,972

KENTUCKY

KENTUCKY STATE	0	0	7,500	0	225	19,700	0	0	0	0	0	27,425
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LOUISIANA

SOUTHERN U. & A&M	0	0	0	152,998	193,000	8,500	0	0	0	0	0	354,498
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MISSISSIPPI

ALCORN STATE	288,748	75,406	0	0	0	4,441	0	0	0	0	0	368,595
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MISSOURI

LINCOLN UNIVERSITY	153,000	0	0	45,290	49,204	3,150	0	0	0	0	0	250,644
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NORTH CAROLINA

N. C. A&T STATE	0	0	0	0	0	88,500	0	0	0	0	0	88,500
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OKLAHOMA

LANGSTON UNIV.	353,000	0	8,500	17,103	0	8,500	0	0	0	0	0	387,103
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INSTITUTION TABLE BY MISSION AREA

SOUTH CAROLINA

S. C. STATE UNIV.	140,000	0	0	0	0	0	0	0	0	0	0	140,000
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TENNESSEE

TENNESSEE STATE	0	0	0	0	0	47,047	0	0	0	0	0	47,047
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TEXAS

PRAIRIE VIEW A&M	0	0	0	0	0	18,900	0	0	0	0	0	18,900
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VIRGINIA

VIRGINIA STATE	0	0	0	0	0	10,918	0	0	0	0	0	10,918
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AGENCY LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	870,088	870,088
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UNDISTRIBUTED/OTHER

TOTAL NATURAL RESOURCES AND ENVIRONMENT

2,041,967	75,406	28,500	215,391	711,681	498,867	50,000	10,000	0	0	870,088	4,501,900
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RESEARCH, EDUCATION, AND ECONOMICS

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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ALABAMA

ALABAMA A&M	2457201	0	20000	705335	200334	0	1523345	0	0	0	100000	5006215
TUSKEGEE UNIVERSITY	2415282	0	18000	705335	203720	15300	1523345	0	0	0	12000	4892982

ARKANSAS

U. OF ARKANSAS @ PB	2443550	0	0	693207	596272	0	1373458	0	0	0	5000	5111487
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INSTITUTION TABLE BY MISSION AREA

DELAWARE

DELAWARE STATE	1000590	0	800	633024	140000	5356	1010988	0	0	0	0	2790758
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DISTRICT OF COLUMBIA

HOWARD UNIVERSITY	0	0	0	0	7000	0	0	0	0	0	0	7000
UNIV. OF D. C.	659349	0	0	0	399832	0	1006521	0	0	0	0	2065702

FLORIDA

FLORIDA A&M	2068332	0	0	708913	216489	31525	1318870	0	0	0	0	4344129
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GEORGIA

ALBANY STATE	0	0	0	0	9000	0	0	0	0	0	0	9000
CLARK ATLANTA U.	30000	0	0	0	0	0	0	0	0	0	0	30000
FORT VALLEY STATE	2349954	0	1500	740102	207400	11000	1854929	0	0	0	0	5164885
MOREHOUSE COLLEGE	0	0	0	0	3000	0	0	0	0	0	0	3000

KENTUCKY

KENTUCKY STATE	2543232	0	0	778491	195000	0	2323208	0	0	0	0	5839931
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LOUISIANA

SOUTHERN U. & A&M	1433197	0	0	686633	199865	8000	1264709	0	0	0	0	3592404
SOUTHERN/NEW ORLEANS	310000	0	0	0	18000	5300	2000	0	0	0	0	335300

MARYLAND

MORGAN STATE	25000	0	0	0	8094	0	0	0	0	0	0	33094
U. OF MARYLAND ES	1068850	0	21000	669066	236940	8353	1012117	0	0	0	10000	3026326

INSTITUTION TABLE BY MISSION AREA

MISSISSIPPI

ALCORN STATE	2305308	0	0	696610	512670	0	1490899	0	0	0	0	5005487
MISSISSIPPI VALLEY	648000	0	0	0	0	0	0	0	0	0	0	648000

MISSOURI

LINCOLN UNIVERSITY	2308871	0	0	776977	392913	0	2252718	0	0	0	0	5731479
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NORTH CAROLINA

N. C. A&T STATE	3316891	0	7000	788102	397965	0	2722087	0	0	0	0	7232045
WINSTONSALEM STATE	75000	0	0	0	0	0	0	0	0	0	0	75000

OKLAHOMA

LANGSTON UNIV.	1504165	400	1100	702524	3484	2992	1386211	0	0	400	0	3601276
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SOUTH CAROLINA

S. C. STATE UNIV.	1562210	0	25000	698369	20744	17164	1345212	0	0	0	0	3668699
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TENNESSEE

TENNESSEE STATE	2869939	0	0	745205	208990	5000	2065730	0	0	0	0	5894864
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TEXAS

PRAIRIE VIEW A&M	3715047	0	17000	835214	462050	2500	2882375	0	0	0	10000	7924186
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VIRGINIA

VIRGINIA STATE	2515101	0	0	726357	201158	500	1752853	0	0	0	0	5195969
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WEST VIRGINIA

W. VIRGINIA STATE	1001270	0	12540	671086	0	0	1042706	0	0	0	0	2727602
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INSTITUTION TABLE BY MISSION AREA

U.S. VIRGIN ISLANDS

UNIV. OF THE V. I.	1138891	0	0	0	0	0	910129	0	0	0	0	2049020
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AGENCY LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	192862	192862
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UNDISTRIBUTED/OTHER

TOTAL RESEARCH, EDUCATION, AND ECONOMICS

44062362	400	123940	13500550	5121760	112990	33306650	0	0	400	329862	96558914
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RURAL DEVELOPMENT

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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ALABAMA

TUSKEGEE UNIVERSITY	150000	0	0	0	0	0	0	0	0	0	0	150000
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ARKANSAS

U. OF ARKANSAS @ PB	150000	0	0	0	0	0	0	0	0	0	0	150000
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DELAWARE

DELAWARE STATE	150000	0	0	0	0	0	0	0	0	0		150000
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GEORGIA

FORT VALLEY STATE	150000	0	0	0	0	0	0	0	0	0	0	150000
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LOUISIANA

SOUTHERN U. & A&M	150000	0	0	0	0	0	0	0	0	0	0	150000
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MARYLAND

U. OF MARYLAND ES	150000	0	0	0	0	0	0	0	0	0	289500	439500
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INSTITUTION TABLE BY MISSION AREA

MISSISSIPPI

ALCORN STATE	149961	0	0	0	0	0	0	0	0	0	0	149961
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OKLAHOMA

LANGSTON UNIV.	100000	0	0	0	0	0	0	0	0	0	0	100000
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SOUTH CAROLINA

S. C. STATE UNIV.	100000	0	0	0	0	0	0	0	0	0	0	100000
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TENNESSEE

TENNESSEE STATE	100000	0	0	0	0	0	0	0	0	0	0	100000
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TEXAS

PRAIRIE VIEW A&M	150000	0	0	0	0	0	0	0	0	0	0	150000
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AGENCY LIAISON OFFICERS											131932	131932
OTHER (NAT'L SCHOLARS EMP)					41393	45367						86760

TOTAL RURAL DEVELOPMENT	1499961	0	0	0	41393	45367	0	0	0	0	421432	2008153
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MARKETING AND REGULATORY PROGRAMS

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	TOTALS
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ALABAMA

TUSKEGEE UNIVERSITY	0	0	135,000	0	8,402	0	0	0	0	0	0	143,402
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ARKANSAS

U. OF ARKANSAS @ PB	0	0	39,000	0	30,882	12,056	0	0	0	0	0	81,938
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INSTITUTION TABLE BY MISSION AREA

FLORIDA

FLORIDA A&M	0	50,476	362,000	0	12,946	27,531	20,000	0	0	0	0	472,953
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GEORGIA

FORT VALLEY STATE	0	0	0	0	0	99,800	0	0	0	0	0	99,800
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KENTUCKY

KENTUCKY STATE	0	0	0	0	7,800	0	0	0	0	0	0	7,800
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LOUISIANA

SOUTHERN U. & A&M	0	0	0	0	115,702	19,425	10,000	0	0	0	0	145,127
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MISSISSIPPI

ALCORN STATE	0	0	0	0	12,946	20,290	0	0	0	0	0	33,236
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MISSOURI

LINCOLN UNIVERSITY	0	0	335,000	0	33,222	17,576	0	0	0	0	0	385,798
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NORTH CAROLINA

N. C. A&T STATE	0	0	0	0	10,322	16,292	0	0	0	0	0	26,614
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TENNESSEE

TENNESSEE STATE	0	0	0	0	6,800	6,000	0	0	0	0	0	12,800
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TEXAS

PRAIRIE VIEW A&M	0	0	0	0	8,200	5,000	0	0	0	0	0	13,200
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VIRGINIA

VIRGINIA STATE	0	0	0	0	7,973	14,512	0	0	0	0	0	22,485
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INSTITUTION TABLE BY MISSION AREA

AGENCY LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	211,150	211,150
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UNDISTRIBUTED/OTHER

TOTAL MARKETING AND REGULATORY PROGRAMS	0	50,476	871,000	0	2,085,158	238,482	30,000	35,000	0	0	296,400	3,606,516
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OTHER DEPARTMENTAL ACTIVITIES

STATE/INSTITUTION	R&D	PE	TRAINING	F&E	FELLOWS	SFA	DIS	TPA	PSI	AI	OTHER	
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DELAWARE

DELAWARE STATE	0	0	0	0	16310	19462	0	1000	0	0	0	36772
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FLORIDA

FLORIDA A&M	0	0	0	0	0	11039	0	0	0	0	0	11039
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KENTUCKY

KENTUCKY STATE	0	0	0	0	4930	14901	0	1000	0	0	0	20831
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LOUISIANA

DILLARD UNIVERSITY	0	0	0	0	0	59361	0	0	0	0	0	59361
SOUTHERN U. & A&M	0	0	0	0	0	3085	0	0	0	0	0	3085
SOUTHERN/NEW ORLEANS	0	0	0	0	0	11523	0	0	0	0	0	11523
XAVIER UNIVERSITY	0	0	0	0	0	33939	0	0	0	0	0	33939

MARYLAND

U. OF MARYLAND ES	0	0	0	0	5594	14179	0	1000	0	0	0	20773
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NORTH CAROLINA

N. C. A&T STATE	0	0	0	38581	6837	0	0	0	0	0	0	45418
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INSTITUTION TABLE BY MISSION AREA

SOUTH CAROLINA

S. C. STATE UNIV.	0	0	0	34824	0	0	0	0	0	0	0	34824
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VIRGINIA

VIRGINIA STATE	0	0	0	0	0	6027	0	0	0	0	0	6027
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AGENCY LIAISON OFFICERS	0	0	0	0	0	0	0	0	0	0	33801	33801
UNDISTRIBUTED/OTHER	0	0	0	0	748	0	0	0	0	0	33415	34163

TOTAL OTHER	0	0	0	73405	34419	173516	0	3000	0	0	67216	351556
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TOTAL FARM AND FOREIGN AGRICULTURAL SERVICES	2614300	573018	353613	0	166139	143679.29	0	0	0	0	145093	3995842.29
TOTAL FOOD NUTRITION AND CONSUMER SERVICES	0	0	0	0	29000	76000	0	0	0	0	30327	135327
TOTAL FOOD SAFETY	0	0	131421	0	129702	0	0	0	0	0	181576	442699
TOTAL NATURAL RESOURCES AND ENVIRONMENT	2,041,967	75,406	28,500	215,391	711,681	498,867	50,000	10,000	0	0	870,088	4,501,900
TOTAL RESEARCH, EDUCATION, AND ECONOMICS	44062362	400	123940	13500550	5121760	112990	33306650	0	0	400	329862	96558914
TOTAL RURAL DEVELOPMENT	1499961	0	0	0	41393	45367	0	0	0	0	421432	2008153
TOTAL MARKETING AND REGULATORY PROGRAMS	0	50476	871000	0	2085158	238482	30000	35000	0	0	296400	3606516
TOTAL OTHER	0	0	0	73405	34419	173516	0	3000	0	0	67216	351556
GRAND TOTAL					8,319,252							\$111,600,907

FARM AND FOREIGN AGRICULTURAL SERVICES

The mission of the Farm and Foreign Agricultural Services (FFAS) area is to enhance economic opportunities for U.S. agriculture through delivery of commodity, credit, conservation, insurance, and export programs. FFAS agencies include the Farm Service Agency (FSA), the Risk Management Agency (RMA), and the Foreign Agricultural Service (FAS). The Commodity Credit Corporation (CCC) is the source of funding for most of the conservation and commodity programs administered by FSA and the export programs administered by FAS.

FARM SERVICE AGENCY

The Farm Service Agency (FSA) provides support to American farmers through programs that improve the economic stability of agriculture and the environment. These programs include farm operating and emergency loan programs, conservation, disaster and crop insurance programs.

Goals and measurable objectives for the fiscal year:

The FSA has a strong commitment to strengthen the long-term partnership between FSA and Historically Black Colleges and Universities (HBCU). FSA works to provide work experiences that are directly related to the HBCU students' educational program and career goals as related to the Agency's needs and mission. FSA partners with the 1890 Land-Grant Institutions to increase the number of students studying agriculture, food, natural resource sciences, or other related disciplines and to offer career opportunities to FSA/1890 National Scholars at the Farm Service Agency.

FSA has increased its emphasis on student employment programs to encourage students attending HBCUs to pursue career opportunities within the Department of Agriculture and the FSA. During FY 2002, the USDA/1890 National Scholars Program was utilized to employ students nationwide in positions within their disciplines and provide relevant and valuable work experience. FSA strives to utilize this program to increase workforce diversity throughout the Agency.

Programs implemented that can be used to increase Federal opportunities for HBCUs and replicated by other agencies:

FSA has implemented the following programs:

- Five Regional Recruitment Teams were formed consisting of state and county office employees, Human Resources and Civil Rights staff personnel. The goal was to involve managers and others at the state and county level in the recruitment process and to form a stronger partnership between those staffs that have a vested interest in attracting and retaining high performing, diverse talent.
- Recruitment flyers and a CD-ROM were developed to educate the public on employment opportunities available with FSA. The CD-ROM provides hyperlinks to other Internet sites, including OPM's USA Staffing online application system.

- To enhance customer service for employees and students HRD and CR&SBUS consolidated all the student employment programs into HRD.

Summary of Total Agency Awards by Category

PROGRAM EVALUATION	\$ 2,041
FELLOWSHIPS, STUDENT/FACULTY EXCHANGES, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs	\$122,372
STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID	\$110,702
OTHER	\$110,905

Awards to HBCUs and Narrative Information

PROGRAM EVALUATION	\$ 2,041
University of Arkansas at Pine Bluff	\$ 157
Delaware State University	\$ 157
Fort Valley State University	\$ 157
Southern University A&M	\$ 157
Lincoln University	\$ 157
Langston University	\$ 157
South Carolina State University	\$ 157
Prairie View A&M University	\$ 157
Virginia State University	\$ 157
Florida State University A&M	\$ 157
Kentucky State University	\$ 157
University of Maryland ES	\$ 157
Tennessee State University	\$ 157

FELLOWSHIPS, STUDENT/FACULTY EXCHANGES, INTERNSHIPS, TRAINEESHIPS,
RECRUITMENT, AND IPAs

\$122,372

University of Arkansas at Pine Bluff	\$10,162
Delaware State University	\$ 4,526
Fort Valley State University	\$18,836
Southern University	\$ 20,081
Lincoln University	\$ 4,526
Langston University	\$ 4,148
South Carolina State University	\$10,162
Prairie View A&M University	\$ 9,526
Virginia State University	\$ 5,081
Florida State University A&M	\$ 5,081
Kentucky State University	\$ 5,081
University of Maryland ES	\$ 5,081
Tennessee State University	\$ 5,081
Alcorn State University	\$ 5,000
Tuskegee University	\$10,000

STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID

\$110,702

University of Arkansas at Pine Bluff	\$ 8,609
Delaware State University	\$11,043
Fort Valley State University	\$18,768
Southern University	\$13,964
Lincoln University	\$10,364
Langston University	\$ 4,110
South Carolina State University	\$13,066
Prairie View A&M University	\$ 7,222
Virginia State University	\$ 9,489
Florida State University A&M	\$ 2,178
Kentucky State University	\$ 1,896
University of Maryland ES	\$ 4,906
Tennessee State University	\$ 5,087

OTHER

FSA contributed \$100,905 to support the 1890 Liaison Officer program at USDA.

FOREIGN AGRICULTURAL SERVICE

Goals and Objectives for FY 2002:

a. Recruitment and Hiring

Objectives: Expand pool of applicants to provide sufficient numbers of qualified under-represented groups from which to make selections in order to increase the potential for hiring individuals in under-represented groups.

Goals: Develop a strategy to concentrate and expand efforts to recruit minority students. Additionally, FAS will continue recruitment relationships with schools, professional societies, and other educational institutions having significant numbers of minority and disabled students. FAS will maintain contact with alumni groups, and professional organizations, to assist in preparing students for employment at USDA.

b. Direct Assistance through Grants and Agreements

Objective: To increase the participation of minority serving institutions in FAS' Direct Assistance Programs for grants and agreements.

Goals: Develop a strategy to expand efforts to recruit minority institutions as applicants/recipients for grants and agreements. Additionally, FAS will continue grants and agreements with HBCU institutions. FAS will maintain contact with HBCUs, alumni groups, and professional organizations, to assist in preparing students for employment at USDA.

Programs implemented that can be used for increasing Federal opportunities for HBCUs and replicated in other agencies;

FAS collaborated with Tuskegee University to host a Technical Assistance Workshop for faculty and staff from 1890 HBCU and Tribal Colleges. The workshop emphasized the potential for opportunities to serve as technical specialists on short term assignments with USDA FAS/ICD by including faculty/staff in a selected technical assistance activity.

The number of schools participating in the USDA/FAS funded grants and awards for HBCU decreased from nine to six in FY 2002 in comparison with FY 2001. This decrease in participation represents a 33.3 percent reduction. However, there was an increase in the amount of funded grants and agreements from \$2,027,263 for FY 2001 to \$2,614,300 for FY 2002.

Note: The majority of funding for grants and agreements are based upon reimbursable agreements with USAID

Highlights for Awards and Narrative Information

Research and Development

The Foreign Agricultural Service (FAS) has a continuing working relationship with Historically Black Colleges and Universities (HBCU) on binational collaborative research projects of benefit to U.S. agriculture. FAS' International Cooperation and Development (ICD) has established these cooperative agreements with HBCU to support various aspects of technical agricultural research support. These projects are funded by reimbursable agreements with the U.S. Agency for International Development (USAID). In FY 2002, a total of \$2,614,300 was provided to support these research projects.

North Carolina A&T State University helps provide project staff participating in the Development Information and Experience component of the Global Environment and Natural Resources Management project sponsored by USAID. Emphasized are (1) developing performance information systems related to agriculture and the environment, with improved analysis and reporting products, and (2) analysis and reporting on humanitarian assistance efforts relating to health and nutrition, including trends and lessons learned.

North Carolina A&T University is working on assessing Potential for Small and Independent U.S. Pork Producers in China. The objectives are to characterize the current state of China's pork market and to investigate the potential of that market for small and independent pork producers in the United States. The project will encompass market analysis and organize training workshops to disseminate research results.

The University of Maryland Eastern Shore (UMES) helps provide project staff participating in *PARTS (Policy, Analysis, Research and Technical Support)*, a USAID-funded project to increase the use of information and analysis for agriculture and natural resource policies, programs and projects in Sub-Saharan Africa. Food security and productivity, natural resources management, environmental protection, technology development and transfer, and private sector development are a focus of this collaboration.

UMES also participates in *African Emergency Locust/Grasshopper Assistance*, a technical assistance project to reduce threats to food security posed by uncontrolled pests, including locusts, grasshoppers, screw worm and rodents in Sub-Saharan Africa. The project also provides analysis and research in integrated pest management, program and strategy development, technology transfer, and institutional strengthening to control pest outbreaks.

In addition, UMES participates in the Global Agricultural Technology Support Project, also funded by USAID, with staff providing technical assistance and advisory services in micro-finance and micro-enterprise and business development programs worldwide.

Tuskegee University helps provide project staff participate in *PARTS (Policy, Analysis, Research and Technical Support)*, a USAID-funded project to increase the use of information and analysis for agriculture and natural resource policies, programs, and projects in Sub-Saharan Africa. Food security and productivity, natural resources management, environmental protection, technology development and transfer, and private sector development are a focus of this collaboration.

Tuskegee University researchers collaborate with scientists in Mali and other countries to collect and analyze sweet potato germplasm and other leafy green vegetables for nutrient content with alternative food processing techniques. *Comparative Analysis of Sweet Potato Green Leaves and Local Green Leafy Vegetables and the Effect of Indigenous Food Processing Techniques on Their Nutrient Quality* is a long-term collaborative research project funded under the Scientific Cooperation Research Program.

Alcorn State University is currently managing a website project for ICD and USAID, Africa Bureau. The project, called Agnet Africa, is designed to electronically link African agricultural enterprises across the continent with others in the global market place. Agnet Africa is an electronic forum promoting the sharing of information between agribusiness, trade associations and researchers in Sub-Saharan Africa. Through a range of online products, the service aims to develop strong linkages between small-scale producers and corporations with interests in developing agricultural markets in Africa.

University of Arkansas at Pine Bluff scientists initiated joint research with South African scientists to create an economically viable alternate opportunity for limited-resource farmers to generate income by sharing black eye pea/cowpea/southern pea germplasm needed to enhance genetic variability. *Rapid Acquisition and Agronomic Evaluation of a Genetically Broad-Based, Exotic Germplasm of Southern pea/Cowpea* is a long-term collaborative research project funded under the Scientific Cooperation Research Program.

Langston University initiated research in a scientific exchange to China to help create dairy curricula for cheese manufacturing at universities and to promote cheese production and consumption. *Potential for Development of Goat Cheese in China* is a collaborative effort funded under the Scientific Cooperation Research Program for long-term joint research projects.

Lincoln University also hosted a one-week study tour, in collaboration with Cooperative State Research, Education, and Extension Service (CSREES) and FAS, in September 2002 for six key officials from the Nigerian Federal Ministry of Agriculture and Rural Development. The purpose of the visit was to strengthen the delegation's awareness of the U.S. extension, teaching, and research systems. The overall goal of the training program was to improve skills and competencies in order for officials to provide effective outreach services that lead to improved income of small-scale farmers in Nigeria. Additionally, ICD arranged for Lincoln University to host a Food and Agricultural Organization (FAO) funded, one-week study tour for two Indian Government officials on forest management.

Lincoln University, using Cochran Program funds, provided training to three Malaysians in animal health, and to two Cote d' Ivoire participants in a commercial bakery, pasta, and confectionary enterprise development program.

Research and Exchange Projects with Minority Institutions

As part of its support for maintaining a sound scientific basis for agricultural trade, and in continuation of its work with Historically Black Colleges and Universities (HBCU), the Foreign Agricultural Service obligated \$2,614,300. The Scientific Cooperation Program funds these projects and visits. The initiatives fund mutually beneficial collaboration between and among scientists from HBCU and other colleges/universities, and from other countries, to

address issues that hinder economically and environmentally sustainable agricultural systems. The Scientific Cooperation Program also supports USDA objectives to use biotechnology in resolving Food Safety and Sanitary and Phytosanitary (SPS) concerns; enhance trade opportunities; and support small and limited resource farmer issues.

RESEARCH PROJECTS WITH 1890 INSTITUTIONS

The table below shows the awards in FY 2002 and the list of beneficiary schools. The majority of funding for grants and agreements are based upon reimbursable agreements with USAID.

HBCU	FY 2002 GRANTS and AGREEMENTS
Tuskegee University	\$807,393
Florida Memorial	\$ 20,000
University of Maryland, Eastern Shore	\$935,937
Alcorn State University	\$120,802
NC A&T State University	\$730,160
TOTAL	\$2,614,300

Training

In FY 2002, FAS obligated \$16,000 to Tuskegee University to host a meeting of staff/faculty members from 1890 HBCU and Tribal Colleges. This training provided staff with an increased potential for serving as technical specialists on short term assignments with USDA and USAID by including them on a specially selected technical assistance activity.

Fellowships, Domestic/International Student/Faculty Exchanges, Internships, Traineeships, Recruitment, and IPAs:

STEP Interns & Student Career Experience Program Employees Attending HBCU Schools	
	Estimated Student Pay
Prairie View A&M University	\$4,350 (10 weeks)
South Carolina State University	\$4,350 (10 weeks)
University of the District of Columbia	\$30,207
Howard University (STEP Intern)	\$4,860
TOTAL	\$43,767

Traineeships

In summer 2002, ICD provided professional training and development opportunities for an 1890 National Scholar from South Carolina State University. Emphasized were assistance to the monitoring and evaluation component of the Global Food for Education Program and a project identifying people and programs at selected 1890 land grant colleges and universities that have agricultural and natural resources expertise relevant to ICD's overseas development activities.

Minorities in Natural Resources and Related Sciences (MANRRS)

FAS International Cooperation and Development (ICD) staff made a presentation on ICD programs and activities at the 17th Annual Career and Training Conference of Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) held on April 4-7, 2002, in Portland, Oregon. An FAS outreach and recruitment booth was also present. MANRRS is a national society promoting involvement of minorities in agriculture and related sciences. Many of the student members of this organization attend HBCUs and other minority colleges and universities. Its principal members are undergraduate and graduate students.

STUDENT EMPLOYMENT

Student Temporary Employment Program

While majority of the participant student employees are minority, they are not attending a HBCU institution.

Summer Interns

In FY 2002, FAS employed 23 summer interns. Of these 23, one attended an HBCU institution. We will aggressively seek to improve the HBCU representation in our Summer Intern Program.

Student Career Experience Program (SCEP)

FAS employed a total of 31 SCEP students. Of the 31, three are attending HBCU institutions.

1890 National Scholars Program

In FY 2002, FAS supported two students in the 1890 National Scholars Program at HBCU institutions. One is attending South Carolina State University and the other is attending University of Maryland, Eastern Shore. Upon graduation of one student from Prairie View A&M University in FY 2002, FAS selected another 1890 Scholar at the end of 2002.

Student Tuition Assistance, Scholarships, and Other AID:

Award: \$7,256

Temporary Housing/Summer Internship: \$1,600

College or University: South Carolina State University

Description: Support of 1890 National Scholar's tuition and other related fees

Award: \$2,102

College or University: Prairie View A&M University

Description: Support of 1890 National Scholar's tuition and other related fees

Award: \$6,364

College or University: University of Maryland—Eastern Shore

Description: Support of 1890 National Scholar's tuition and other related fees

TOTAL 2002: \$15,723

OTHER

Award: \$18,509

College or University: N/A

Description of Program or activity: FAS contributed to the Department's Liaison Officer Program.

RISK MANAGEMENT AGENCY

RMA's mission is to promote, support and regulate the delivery of sound risk management solutions to preserve and strengthen the economic stability of America's agricultural producers. Our key objectives in support of that mission are to:

- _ Provide widely available and effective risk management solutions;
- _ Ensure customers and stakeholders are well-informed;
- _ Provide a fair and effective delivery system;
- _ Maintain program integrity; and
- _ Provide excellent service.

Risk Management Education

RMA's educational efforts expanded dramatically following the passage of the Agricultural Risk Protection Act of 2000 (ARPA). Through ARPA, Congress directed RMA to establish educational programs in underserved states, reach specialty crop producers with risk management education, partner with the Cooperative State Research, Education and Extension Service (CSREES) to offer educational grants, partner with other agencies to offer management assistance to producers, and expand option pilot programs. The following is a list of Targeted Commodities Partnership Agreements awarded in FY 2002 to Historically Black Colleges and Universities:

University of Arkansas at Pine Bluff	-	\$ 27,720
Kentucky State University	-	28,700
Alcorn State University	-	89,000
Alabama A&M University	-	98,000
Tuskegee University	-	<u>94,193</u>
Total	-	\$337,613

Community Outreach and Training

During fiscal year 2002, RMA funded six outreach projects with HBCU universities to provide information and technical assistance to women, limited resource and other traditionally underserved farmers and ranchers, to increase participation and ensure accessibility of all farmers and ranchers to RMA's programs and activities.

The Kansas City Office of RMA funded an 1890 National Scholar who graduated from Alcorn State University in May 2002, with a major in Agricultural Economics, and is now a full time RMA employee.

RMA also sponsored Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) Annual Recruitment Fair as part of ongoing efforts to increase diversity through outreach and recruitment of minorities from HBCUs and other colleges and universities.

2002 Funded Outreach Projects:

Alabama A&M University	-	\$115,000
Alcorn State University	-	80,000
Langston University	-	70,000
Kentucky State University	-	65,000
University of Arkansas at Pine Bluff	-	75,000
Virginia State University	-	165,977
Student Programs – 1890 National Scholars Program		
Tuition and Salary for FY 2002	-	17,254
MANRRS	-	5,000

TRAINING

University of Arkansas at Pine Bluff - \$27,720
Provide risk management training to specialty crop producers in Arkansas.

Kentucky State University - \$28,700
Provide risk management training to aquaculture producers in Kentucky, Tennessee, Ohio, West Virginia, Illinois, and Indiana.

Alcorn State University - \$89,000
Provide risk management training to specialty crop producers in Mississippi.

Alabama A&M University - \$98,000
Provide risk management education and information program for livestock, specialty crop producers, and underserved producers including small and limited resource farms operated by minorities and other socially disadvantaged operators in 21 counties in Northern Alabama.

Tuskegee University - \$94,193
Provide a risk management education and information program for Alabama Black Belt producers of fruits and vegetables, timber, sugar cane, sorghum, and other value-added agriculture related products.

OTHER - Outreach Projects

Alabama A&M University - \$115,000
To develop and maintain a risk management education program for small and limited resource producers in under served communities in North Alabama.

Alcorn State University - \$80,000

To implement a risk management assistance program to improve the economic viability of under served, small to moderate scale producers of organic horticultural products in the south.

Langston University - \$70,000

To train farmers to reduce, avoid and manage risk; provide training on best production, marketing, accounting, and overall farm management practices; and train farmers in record keeping and budgeting procedures.

Kentucky State University - \$65,000

To provide one-on-one education to agricultural producers in marketing, farm management and alternative production and marketing techniques for new small farm enterprises.

University of Arkansas at Pine Bluff - \$75,000

To provide risk management education and training to under served and limited resource farmers in the Delta and Southwest Arkansas.

Virginia State University - \$165,977

To increase the effectiveness of outreach, training and assistance programs offered to women, limited resource and socially disadvantaged farmers and ranchers in making informed risk management decisions for their farming and ranching operations.

STUDENT PROGRAMS

1890 National Scholars Program

RMA supported one student participating in the 1890 National Scholars Program. She attended Alcorn State University, majored in Agricultural Economics, and graduated in May, 2002. For fiscal year 2002, RMA paid a total of \$17,254 in salary and tuition for this student.

THIRD PARTY AWARDS

RMA contributed \$5,000 to sponsor the Seventeenth Annual Minorities in Agriculture Natural Resources and Related Sciences (MANRRS) Conference.

RURAL DEVELOPMENT

The Rural Development (RD) mission area includes: the Rural Utilities Service (RUS), the Rural Housing Service (RHS) and the Rural Business-Cooperative Service (RBS). The goal of the RD mission area is to improve the economic opportunities and quality of life in rural America. RD programs provide financial and technical assistance to rural residents, businesses, and private and public entities for a diversity of purposes including infrastructure for meeting basic amenities such as safe drinking water, electricity and telecommunication, decent housing, and business enterprise. RD programs are delivered through field offices that are consolidated within USDA Service Centers. Consistent with the principles contained in USDA's report *Food and Agricultural Policy: Taking Stock for the New Century*, the mission area also has a lead role in the coordination of rural development efforts among local, State and Federal levels.

The mission of Rural Development is to enhance the quality of life for all rural Americans by providing leadership in building competitive businesses and cooperatives that can prosper in the global marketplace. Rural Development, through Rural Business-Cooperative Service (RBS) accomplishes this mission by investing its financial resources and/or technical assistance in businesses, cooperatives, and communities, and by building partnerships that leverage public, private, and cooperative resources to stimulate rural economic activity.

In FY 2002, RBS continued to work in partnership with the Historically Black Colleges and Universities (HBCUs) by engaging in cooperative agreements with the eighteen 1890 Land Grant Institutions. The mission area, through RBS, has identified the need for low income, under-represented groups in traditionally agricultural and other natural resource dependent communities to receive special assistance in business diversification. This outreach to the rural communities was designed to help improve the economic health of these areas by combining the efforts of the colleges and universities with local businesses, public bodies, and private non-profit organizations to create businesses and foster infrastructure development. The coverage area for this outreach included, but was not limited to, some of the most economically depressed rural areas, which were located in Rural Empowerment Zones and/or Rural Enterprise Communities.

The objectives and goals achieved through the 1890 Program Initiative were as follow:

- develop income-producing projects for under-developed rural communities;
- provide technical assistance to new and existing businesses;
- assist communities in leveraging other resources via state, local, private, and/or federal funding;
- create self-sustaining, long-term economic development in targeted areas of high unemployment through partnerships with the universities and community-based organizations; and
- assist and guide these communities in becoming self-sustainable.

As part of that outreach initiative, the Agency continued to provide excess computers to the land-grant institutions for use in the targeted communities. In accordance with that endeavor, the Business Information System Network (BISNet) was established. BISNet is an electronic telecommunications initiative that allows rural areas access to the internet. BISNet

interconnects with corporate, government, and private entities and allows access to various services including, but not limited to, classified ads, federal job announcements, on-line business plans, loan services, and the Federal Register.

The total awards to Institutions of Higher Education for FY 2002 were \$18,511,566. Awards to HBCUs for FY 2002 were \$2,008,153. These awards to HBCUs represent 10.8 percent of Rural Development's total awards to Institutions of Higher Education. These FY 2002 awards to the HBCUs represent three Rural Development programs: the 1890 Program Initiative, Rural Cooperative Development Grant, and Cooperative Research Agreements.

Rural Development employed students on a part-time basis through the Student Educational Employment Program with 1890 Land Grant Institutions and other HBCUs. The agency also supported students in employment programs through the National Office and the Field Offices, providing \$86,760 in salaries, tuition and other expenses for the USDA/1890 National Scholars Program.

Also, Rural Development continued to support the USDA/1890 Liaison Program. The most recent mission area cost available for this program is \$131,932 in FY 2002.

Summary of Total Agency Awards, by Category

Research & Development:

1890 Rural Entrepreneurial Program Initiative: Eleven of the eighteen 1890 Land Grant Institutions were successful in receiving a total of more than \$1.7 million in competitive cooperative agreements in FY 2002.

National/International Fellowships, Traineeships, Internships, Recruitment, and IPAS:

Rural Development provided \$41,393 for salaries for the National Scholars Program.

Student Tuition, Assistance, Scholarships, and Other Aid:

Rural Development provided \$45,367 for tuition and other fees for the National Scholars Program

Awards to HBCUs and Narrative Information

Research & Development:

Tuskegee University in Tuskegee, Alabama, has been selected to receive \$150,000 for strengthening entrepreneurial and business development activities in the Alabama Black Belt Counties and other target communities of Sumter/Greene, Uniontown in Perry County, Lowndes, Macon, and Cherokee Tribe of Northeast Alabama.

University of Maryland-Eastern Shore in Princess Anne, Maryland, has been selected to receive \$150,000 to provide e-commerce and e-business information and technology for micro-businesses, cooperatives, micro-business associations and public bodies along the eastern shore of Maryland.

University of Maryland-Eastern Shore in Princess Anne, Maryland has been selected to receive \$289,500 to develop and enhance cooperative organizations, particularly female, minority-owned enterprises

Southern University and A&M College in Baton Rouge, Louisiana, has been selected to receive \$150,000 to strengthen its outreach program in areas of job creation and retention opportunities. The four rural communities and parishes in the state of Louisiana selected include: East Feliciana, Iberville, St. Helena, and Tangipahoa.

University of Arkansas-Pine Bluff in Pine Bluff, Arkansas, has been selected to receive \$150,000 to provide technical assistance for economic development, provide financial assistance to secure funding for businesses, and expand outreach efforts through the Institute for Rural Economic Development. Counties served include: Ashley, Bradley, Chicot, Crittenden, Cross, Desha, Drew, Jefferson, Lee, Lincoln, Lonoke, Mississippi, Monroe, Phillips, St. Francis, and Woodruff.

Fort Valley State University in Fort Valley, Georgia, has been selected to receive \$150,000 to provide individuals/groups with information, technical assistance and financial support for business startup or expansion, job creation, and program development designed to retain jobs. Counties served include: Crips, Dooly, Macon, Peach, Crawford, and Taylor.

Delaware State University in Dover, Delaware, has been selected to receive \$150,000 to continue the Entrepreneurship Center's activities to impact business economic development by saving/creating jobs and encouraging business startup. The promotion of USDA Rural Development programs in targeted rural communities will be addressed.

Prairie View A&M University in Prairie View, Texas, has been selected to receive \$150,000 for outreach, education and technical assistance in community and business development, youth entrepreneur education, business information system network, and other web sites. The public and clientele awareness of Rural Development programs in 17 counties will be addressed.

Alcorn State University in Alcorn, Mississippi, has been selected to receive \$149,961 for continuation of funding for the business information system network. Additionally, the Center for Rural Life and Economic development will be expanded which has service centers in Adams, Claiborne, Jefferson, Franklin and, Wilkinson counties.

Langston University in Langston, Oklahoma, has been selected to receive \$100,000 for strengthening minority-owned enterprises in rural communities, developing youth entrepreneurship, and assisting and supporting community development and infrastructure improvements activities. Counties served include: Carter, Logan, McIntosh, Okfuskee, Okmulgee, Oklahoma, and Muskogee.

Tennessee State University in Nashville, Tennessee, has been selected to receive \$100,000 to increase employment and the income and quality of living in selected rural counties. Emphasis will be placed on developing self-esteem, personal and business development skills for self-employment, pre-apprenticeship, and the enhancement of skills for job retention. Selected rural counties in Tennessee and Mississippi will be impacted.

South Carolina State University in Orangeburg, South Carolina, has been selected to receive \$100,000 to provide business support services. Also, an operational road map to help prospective entrepreneurs in creating new businesses will be developed. Finally, small business management training to develop local youth into future entrepreneurs will be made available.

National/International Fellowships, Traineeships, Internships, Recruitment, and IPAS:

Rural Development provided \$41,393 for salaries for the National Scholars Program.

Student Tuition, Assistance, Scholarships, and Other Aid:

Rural Development provided \$45,367 for tuition and other fees for the National Scholars Program.

FOOD, NUTRITION AND CONSUMER SERVICES

The Food and Nutrition Service (FNS) administers America's domestic nutrition programs. The mission of FNS is to improve the nutritional levels of Americans by providing children and needy families better access to a healthful diet. FNS fulfills its mission through programs dealing with nutrition promotion and direct nutrition assistance. Food stamps remain the cornerstone of the National commitment to protect the nutrition, health, and well being of low-income families with other programs serving specific categories of the population. Increasing the public understanding of proper nutrition is also promoted through the nutrition assistance programs.

In FY 2002, FNS continued to support the Historically Black Colleges and Universities (HBCUs) program to the maximum extent possible with its limited resources. FNS' principle area of involvement was its support to five 1890 National Scholars. FNS provided funding to its HBCUs in the amount of \$105,000 in the categories of student tuition assistance, scholarships, and other aid to support the five Scholars. The funds were provided to the University of Maryland Eastern Shore, Maryland; Prairie View A&M University, Texas; Delaware State University, Delaware; Langston University, Oklahoma; and Tennessee State University, Tennessee. During the summer, FNS hired its Scholars to work in FNS offices nationwide.

FNS remains committed to recruitment efforts focused on identifying qualified women and minorities. In FY 2002, FNS continued to support the Historically Black Colleges and Universities (HBCUs) program to the maximum extent possible with its limited resources. In addition to awards to nine 1890 institutions, FNS' principal area of involvement was its support of 1890 National Scholars.

FOOD SAFETY

Food Safety, the public health mission area of USDA, provides scientific focus, leadership and expertise in addressing the important domestic and international public health and safety issues related to meat, poultry, and egg products regulated by the Food Safety and Inspection Service (FSIS) and the general oversight of the Office of the U.S. Manager of the Codex Alimentarius Commission. Food Safety also leads efforts within the Department to respond to meat, poultry and egg safety emergencies and coordinates policies and program development with other departments, international organizations, other countries, and State and local governments on these food safety issues.

FSIS' 2002 efforts involving Historically Black Colleges and Universities (HBCUs) included cooperative programs with Lincoln University (Missouri), Florida A&M, Alabama A&M, and Fort Valley State University (Georgia) for teaching and demonstrating safe animal production and food handling practices among small, low-income producers and businesses. Means include on-farm demonstration projects, distance learning advocating pathogen management in animal herds, and maintaining contact with trainees to troubleshoot concerns. FSIS actively held recruitments at U.S. veterinary colleges and a number of four-year colleges with Agriculture/ Science programs. The four-year colleges included six HBCUs. Total investment for 2002 was \$442,699, a nine percent increase from 2001.

TRAINING

In FY 2002 FSIS awarded \$131,421 in contracts to HBCUs to provide outreach, and support to small retail store operators, small food service establishments and their employees in the underserved and/or underrepresented communities.

FSIS continued to utilize its cooperative agreement authority to enter into agreements with HBCUs to develop outreach efforts in animal production food safety to small producers in the underserved and/or underrepresented communities. The schools were encouraged to form partnerships to work together to accomplish this training. The schools conducted animal production food safety education initiatives to improve the ability of food animal producers to maintain sustainable operations as they address their food safety responsibilities. The training focused on improving food safety and quality assurance outreach. The following institutions participated as cooperators in FY 2002.

Lincoln University: Develop and disseminate animal food safety practices to small livestock producers in the state of Missouri. Emphasis on a farm demonstration project. (\$20,000)

Florida A&M University: Develop a training program to manage zoonotic and human pathogens in herd health hygiene and biosecurity preventive practices. (\$20,000)

Alabama Agricultural and Mechanical University: The overall goal is to reduce microbial food born illness by increasing awareness of safe animal production practices. Focus on small goat producers in Alabama and Tennessee using distance learning techniques and hands-on training. (\$68,421)

FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs

Recruitment-On Campus Visit

Florida A&M University	982
Fort Valley State University	695
Langston University	803
Prairie View A&M University	1,368
Southern University and A&V College	1,415
Tuskegee University	1,675

Student Employment Program

HBCU: Bowie State University Students: 2 (GS-4) Salary	41,913
HBCU: Coppin State College Student: 1(GS-4) Salary	8,382
HBCU: Delaware State University Student: 1(GS-1) Salary	9,707
HBCU: Hampton University Student: 1(GS-4) Salary	5,212
HBCU: Howard University Student: 1(GS-2) Salary	2,388
HBCU: Morgan State University Student: 1(GS-4) Salary	18,971
HBCU: University of Maryland at Eastern Shore Student: 1(GS-5) Salary	8,076
HBCU: University of the District of Columbia Students: 2(GS-4) Salary	26,912

1890 Scholars Program

Alabama A&M

Salary

1,203

NATURAL RESOURCES AND ENVIRONMENT

The mission of the Natural Resources and Environment area is to promote the conservation and sustainable use of natural resources on the Nation's private lands and to sustain production of all the goods and services that the public demands of the National Forests. This mission also supports one of the key strategic goals from the USDA Strategic Plan which is to protect and enhance the Nation's natural resource base and environment. Two agencies, the Natural Resources Conservation Service (NRCS) and the Forest Service (FS), are primarily responsible for achieving this mission.

FOREST SERVICE

The Forest Service continued to collaborate with the Historically Black Colleges and Universities (HBCUs) in FY 2002 to accomplish its goals of strengthening partnerships, building capacity, and increasing the entrance of African Americans into natural resources careers.

In FY 2002 the Agency established new partnerships and continued to enhance its existing partnerships with the 1890 Land-Grant Institutions and other HBCUs. The primary efforts involved Alabama A&M, Florida A&M, Lincoln, Southern, and Tuskegee Universities; the USDA/1890 Initiative; Centers of Excellence; USDA Agriculture Liaison Officers; USDA Summer Interns; USDA 1890 National Scholars Program (eight new scholars in FY 2002 – current total of 23 scholars at 13 1890 Land-Grant Institutions); the Black College and Universities Comprehensive Program (BCUCP); 1890 Institution Capacity Building Grants Program; the AL Consortium on Forestry Education and Research to support Tuskegee's focus on "management activities and their social impacts," and Alabama A&M's focus on the "human dimensions of natural resource management."

The Forest Service supported three Centers of Excellence (COEs) in FY 2002 to ensure their continued success in recruiting potential Forest Service employees in various natural resources disciplines, including "Biotechnology of Southern Pines and Hardwoods" at Alabama A&M; "Water Quality" at Florida A&M; and "Wildlife and Geographical Information Systems" at Lincoln University. The Centers were encouraged to continue their successful recruitment efforts in FY 2003 to fulfill the purpose for which they are designed: (1) increase the pool of highly qualified minority candidates for professional careers; (2) make more scientific knowledge readily available to the Land-Grant Institutions; (3) provide technical and financial assistance through grant and scholarship programs to recruit and retain talented students and faculty; and (4) provide support for utilizing and developing the professional faculty and staff as a source of expertise deemed important to the Forest Service mission.

The agency continued to support the 16 students currently in Tuskegee's Forestry Education program. The FS continued to support the Urban Forestry Program at Southern University (the only urban forestry degree-granting program -- BS, MS, and "pending" Ph.D.) in the Nation. One USDA/1890 National Scholar continued his academic training in urban forestry at Southern and his practical training in the Agency's Southern Region office. He will graduate from the program in FY 2003 and already has a permanent position in that same Region.

The Agency funded seven ongoing BCUCP proposals and 13 Capacity Building proposals to accomplish significant work through the 1890/Historically Black Colleges and Universities Comprehensive Program (BCUCP). Projects funded through these proposals provided opportunities to open new lines of communication and establish additional partnerships with HBCUs and other key entities in research and other program activities. This program is expected to continue attracting talented African American men and women to the Forest Service through cooperative research, scientific exchange, special employment programs, community outreach and academic enrichment programs. It also provides opportunities for Forest Service scientists to experience working on HBCU campuses, and HBCU faculty to gain meaningful experience at Forest Service locations.

Four of the most noteworthy projects funded through BCUCP and other capacity building efforts were: (1) the Secretary of Agriculture's Award-Winning "Historical and Archival Research on the Underground Railroad," Wayne National Forest in the Eastern Region (Athens, Ohio), which involved students from Tennessee State and Lincoln Universities; (2) the Savannah River Environmental Sciences Field Station, a hands-on, field-oriented project which was primarily a collaboration between the Forest Service and South Carolina State University - twenty-three students participated in the FY 2002 program, six of whom were from the 20 other HBCU member institutions; (3) the Annual 1890 Faculty Training Workshop on Agroforestry at Alabama A&M University has provided Agroforestry training for university professors from sixteen of the seventeen 1890 Land-Grant Institutions, preparing them to expand their forestry curriculum and build capacity in teaching, research, and extension efforts, and; (4) The Alabama A&M Forestry Program received full accreditation from the Society of American Foresters (SAF) in 2002, establishing it as the only SAF-accredited Forestry Program at an HBCU.

Total funding for HBCUs in FY 2002 was \$2,597,801. This reflects a decrease in the program funding this fiscal year due to additional costs being directed to fire suppression activities.

RESEARCH AND DEVELOPMENT

Support Research Initiatives at COE	Alabama A&M	200,000
Applied Research Grant – Environ Biology	Alabama A&M	5,000
Support a Research Scientist	Tuskegee	83,000
Support Research Initiatives at COE	Florida A&M	200,000
Applied Research Grant – Environ Biology	Florida A&M	175,000
Basic Research Grant - Sociology	Florida A&M	10,000
Educational/Research Partnership	Clark Atlanta	55,000
Applied Research Grant - Chemistry	Clark Atlanta	89,219
Support a Research Scientist	Lincoln Univ.	153,000

**NATIONAL/INTERNATIONAL FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS,
RECRUITMENT, AND IPAs**

Manage recruitment of students	Alabama A&M	212,000
Capacity building through Forest Resources Program & Conferences	Tuskegee	19,000
Manage recruitment of students	Tuskegee	124,000
Manage recruitment of students	Florida A&M	109,000
Supports the Urban Forestry Program	Southern	74,000
Supports the Urban Forestry Program	Southern	35,000
Manage recruitment of students	Southern	84,000
TOTAL		657,000

STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID

1890 Scholar (1) – Tuition/books/fees	Alabama A&M	8,500
1890 Scholars (8)	Tuskegee	115,200
1890 Scholars (2)	Delaware St.	22,300
1890 Scholar (1)	Florida A&M	8,500
1890 Scholar (1)	Kentucky St.	8,500
1890 Scholar (1)	Southern	8,500
1890 Scholar (2)	NC A&T	18,500
1890 Scholar (1)	Langston	8,500
1890 Scholars (2)	Tenn. St.	24,900
1890 Scholars (3)	Prairie View	18,900
1890 Scholar New (1)	Undistributed	8,700
TOTAL		251,000

DIRECT INSTITUTIONAL SUBSIDIES

Institutional resources support	Alabama A&M	50,000
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THIRD PARTY AWARDS

MANRRS Conference	Tuskegee	10,000
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NATURAL RESOURCES CONSERVATION SERVICE

The Natural Resources Conservation Service (NRCS) has a long-standing commitment, and has forged strong ties, to maintain a highly skilled and diverse work force capable of providing quality customer-oriented services. NRCS continues to support the Departmental initiatives to attract and retain more minorities into agriculture and related sciences. NRCS has sponsored 54 USDA/1890 National Scholars to date and anticipates sponsoring an additional five in 2003.

NRCS established a Soil Science Scholars Program in recent years and continues to make strides in meeting the goal to provide an ongoing source of highly qualified and culturally diverse pool of soil scientists for NRCS and to provide an ongoing source of training for university students. To date, 13 students have been sponsored at four of the 1890 Institutions, Virginia State University, Alabama A&M University, Prairie View A&M University, and Tennessee State University. Two students are slated to enter the Soil Survey Program in 2003.

In 2002, six NRCS employees maintained their USDA/1890 Liaison Officer positions.

Noteworthy collaboration in 2002 includes: NRCS' partnering with Langston University's Grazing Land Center and Public Policy Institute; Alcorn State University's C-Factor Study, Delaware State University's Claude D. Phillips Herbarium, and South Carolina State University's Environmental Science Center of Excellence.

The viability of, and exposure to, agriculture in rural communities continues to be a goal and objective of NRCS. NRCS has a Plant Data Center at Southern University and a Social Sciences Institute at North Carolina A&T State University.

Awards and Narrative Information

RESEARCH AND DEVELOPMENT

C-Factor Study
Alcorn State University
\$288,748

Claude E. Phillips Herbarium
Delaware State University
\$290,000

Grassland Center of Excellence
Langston University
\$353,000

Environmental Science Center
South Carolina State University
\$140,000

PROGRAM EVALUATION

C-Factory Study
Alcorn State University
\$75,406

TRAINING

Outreach Council Conference for Limited Resource Farmers
Kentucky State University
\$7,500

Outreach Conference for Limited Resource Farmers
Langston University
\$8,500

University of Arkansas @ Pine Bluff
\$12,500

FACILITIES AND EQUIPMENT

Grassland Center of Excellence
Langston University
\$14,103

Soil Survey Office
Langston University
\$3,000

GIS and Wildlife Management Center of Excellence
Lincoln University
\$45,290

Plant Data Center
Southern University
\$152,998

FELLOWS, INTERNS, RECRUITING

GIS and Wildlife Management Center of Excellence
Lincoln University
\$49,204

Tuskegee University
\$4,872

TUITION AND OTHER

Alabama A&M University	\$ 14,115
Alcorn State University	4,441
Fort Valley State University	6,972
Kentucky State University	11,200
Lincoln University	3,150
North Carolina A&T University	70,000
Tennessee State University	22,147
Tuskegee University	24,660
University of Arkansas @ Pine Bluff	80,264
Virginia State University	10,918

MARKETING AND REGULATORY PROGRAMS

The mission of Marketing and Regulatory Programs is to facilitate and expand the domestic and international marketing of U.S. agricultural products, to help protect the agricultural sector from plant and animal health threats, and to ensure humane care and treatment of certain animals. These programs provide the basic infrastructure to improve agricultural market competitiveness for the overall benefit of both consumers and producers of American agriculture.

The Marketing and Regulatory Programs are administered by three agencies: the Animal and Plant Health Inspection Service (APHIS); the Agricultural Marketing Service (AMS); and the Grain Inspection, Packers and Stockyards Administration (GIPSA).

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

PROGRAM EVALUATION

Award:\$50,476

College or University:Florida A&M University

Description of Program or Activity: Demonstration Model for the Control of Pathogens

– The APHIS, Veterinary Services and the Herd Health Program at Florida A&M University continued their partnership to provide leadership in science based prevention and control programs for food producing animals particularly for small and economically challenged producers. The program provides a unique approach by utilizing pre-vet and animal science students to conduct herd health visits to collect data, conduct research and surveys, and with the leadership of veterinary personnel, develop and implement realistic models for producers that are cost-effective and practical.

TRAINING

Award:\$362,000

College or University:Florida A&M University

Description of Program or Activity: National Biological Control Institute – APHIS, Plant Protection and Quarantine (PPQ), continued to support activities conducted at its National Biological Control Institute on the campus of Florida A&M University. The Center for Biological Control is a cooperative effort which links APHIS with scientists from 1890 Land Grant Institutions and the ARS. APHIS PPQ continued to pay salary and benefits of the Center's Co-Director (\$112,000) as well as sponsored projects at Florida A&M University totaling \$250,000 in FY 2002, which included: biological control and host plant resistance for the glassy-winged sharp shooter in grapes; biological control of spider mites on ornamental plants grown in greenhouses; risk assessment of the pea leaf miner, a potential invasive pest from Central America; development of a relational database to enhance safeguarding capabilities against exotic weevils; taxonomic studies of citrus root weevils; and development of monitoring and inherited sterility techniques to manage the spread of the invasive cactus moth, *Cactoblastis cactorum*. An APHIS senior level manager serves as Co-Director of the Center and as the authorized APHIS Representative on these projects. In addition to managing cooperative agreements between APHIS and FAMU, the following activities were accomplished during FY 2002:

- Coordinated the Center for Biological Control Seminar Series; organized monthly seminars in which university faculty, visiting scientists and scientists from nearby institutions were invited to present and discuss information on their research programs.
- Continued to chair the Entomology Curriculum Committee which conducted a review of the undergraduate entomology degree program, which included updating the list of courses being offered, identifying program deficiencies, revising course content, and recommending changes to the core curriculum.
- Served as Graduate Student Advisor as major professor to a Master's degree candidate at the Center working on the use of predatory mites to control pest spider mites in Florida greenhouse operations. The student graduated in July 2002; at which time, the Co-Director recruited a new Master's student in August 2002 to begin work on the invasive moth, *Cactoblastis cactorum*.
- Supervised the FAMU Student Career Development Program – FAMU receives \$5,000/year (which funding is reported under category 7, below) from APHIS to provide undergraduate students with hands-on research experience and acquaint them with the ongoing APHIS-PPQ mission and career opportunities.
- Co-Principal Investigator on Collaborative Research Projects – In support of APHIS safeguarding activities, APHIS developed management and eradication strategies for invasive species that combine the use of biological control and the sterile insect technique. Projects that were initiated that involve FAMU faculty and USDA-ARS scientists at FAMU include the use of inherited sterility in Lepidoptera to control the cactus moth, an exotic pest now in Florida that is a serious ecological threat to native cactus ecosystems in the southwestern U.S. and Mexico, and the development of a GIS temperature-based predictive model for determining the risk of establishment of the pea leafminer in Florida, a quarantine pest of snap peas shipped from Guatemala.
- The NBCI continued implementation of its "Offshore" biological control program against the Pink Hibiscus Mealy bug (PHM). The PHM was detected in Florida for the first time near Ft. Lauderdale in June 2002; weekly releases were coordinated on parasites obtained from a mass-rearing facility maintained by APHIS in Puerto Rico beginning July 2002. PHM populations are now on the decline.

Award: \$335,000

College or University: Lincoln University

Description of Program or Activity: Center of Excellence Initiative in Geographic

Information Systems and Wildlife Management – The Initiative is a partnership between Lincoln University and USDA, APHIS and the Forest Service. This partnership was formalized in a Memorandum of Understanding signed in 1993 which outlined the general goals and commitments. Specific annual commitments are made through cooperative agreements.

APHIS, Wildlife Services continued to support the Initiative through salary and benefits for the Initiative's Director position (\$123,000). This partnership has entered into its ninth year and continues to make substantial contributions to education and training in wildlife management and geographic information systems. The Initiative Director continued to provide program

management as the critical element which allows for close monitoring and program oversight and provided opportunities to impact overall University strategies and to review faculty and student needs, curricula and program improvements.

A key component of the Initiative was met during FY 02 which further strengthened academic programs in wildlife management so those students graduating would have strong research and academic backgrounds in areas of particular interest to the partnering agencies. During the Fall Semester, a minor in wildlife management/communication was formally added, as well as courses in wildlife damage management, ornithology, mammalogy (special topics), urban wildlife, communication and education for wildlife management, current topics in wildlife management, and internships. With the addition of these classes to the existing University offerings in agriculture, biology and natural resources, Initiative students can meet all course requirements for entry level Federal and many State positions in wildlife biology and management (both operational and research). The Initiative is now working to encourage the development of Wildlife Management as a major within a broader academic program.

The Initiative through APHIS Leadership, is also supporting the plans of Lincoln University to have an in-depth review of its curriculum and to involve supporting agencies and other natural resource agencies outside USDA at the Federal and State levels and the private sector in the development of a wildlife curriculum.

Through a cooperative agreement (\$212,000), managed through APHIS, the Initiative Director continued to provide support for instruction through student support, faculty, classroom and field equipment, and facilities which are kept state of the art in the technical area of GIS and wildlife management.

Award:\$125,000

College or University:Tuskegee University

Description of Program or Activity: **Center of Excellence for Integrated Study of Animal and Plant Food Systems (CISFAPS)** – APHIS, Veterinary Services provided salary and benefits in support of one senior level manager assigned to the Center as a CISFAPS Fellow/Liaison to carry out special initiatives and programs of mutual interests to the University, APHIS, and partnering USDA agencies, FSIS, CSREES, and ARS in the areas of risk assessment and training. The salary and benefits for this position were paid by APHIS @ \$125,000; another \$20,000 for travel and administrative needs in support of the position was included in the IPA agreement.

Major accomplishments were achieved throughout the fiscal year in the areas of curricula development, proposal writing and document publications. The APHIS/CISFAPS Fellow position at TU has been mutually rewarding for the USDA partners and the faculty and students of the University. The following milestones were reached during FY 02:

- Chaired the subgroup on Food Safety of the National Academies of Science Subcommittee on Science Based Concerns Regarding Products of Animal Biotechnology.
- Assisted with the writing and editing materials for the TU Capacity Building grant proposal to develop web-based teaching materials for teaching risk analysis (funded).
- Presented with TU faculty at the Association for Public Policy Analysis and Management on the contributions of risk assessment to food safety policy.
- Taught four lectures in the TU workshop on risk analysis and epidemiological modeling.

- Served as a Moderator for a discussion on Animal Agriculture, Dioxin in the Food Supply for a conference sponsored by the Life Sciences Research Organization.
- Served as Advisor at the U.S. Conference of Mayors on risk communication activities for the Conference of Mayors on terrorism, security, and public health.
- Worked with USDA Leadership and Harvard University faculty to ensure that TU participated in the public presentations concerning the BSE Risk Analysis, of which TU staff had been instrumental in the development of the models.
- Wrote manuscript microbial risk analysis for a textbook, “Current Topics in Food Safety in Animal Agriculture,” which was co-authored with a TU faculty member.
- Gave speech on “Animal Biotechnology and the Food Supply” at the ACVIM Conference.
- Participated as Speaker for the International Conference on Microbial Risk Assessment on the topic of microbial versus chemical risk assessment.
- Reviewed a grant proposal on “Computer Aided Diagnostic and Clinical Management Skills in Veterinary Medicine” which was submitted to the United Negro College Fund as a joint project with the University of Ibadan, Nigeria.
- Served on the Tuskegee University Committee on Food Safety in Nigeria via a grant from USAID to TU for joint work with the Federal Republic of Nigeria to improve food safety for domestic populations as well as the increasing opportunities for participating in international trade.
- Currently serving on the Tuskegee University Committee on Terrorism Preparedness.
- Prepared manuscript for publication in the Proceedings of a World Bank Conference on Food Safety in West Africa on “Implications of the US President’s Food Safety Initiative for Small West African Countries Interested in Improved Domestic Food Safety and International Trade.”
- Worked with TU and USDA, APHIS Veterinary Services’ Center for Epidemiology and Animal Health to provide an advanced workshop in GIS for TU which was held in June 2002.
- Worked on a manuscript with TU faculty on an approach to risk assessment for the safety of food products of animal biotechnology origin.
- Wrote and submitted a proposal to the National Institutes of Health, Office of Minority Health and Health Disparities for a grant on the University’s behalf to support 5 annual conferences on Bioethics and Animal Biotechnology, to be jointly supported by TU and NIH. These conferences, if funded, would take place at TU for five consecutive years, building on the first conference which would seek to identify and describe the major bioethical issues associated with animal biotechnology. The overall goal of this first of the five year Conference series is to identify, delineate, and explore the major bioethical issues associated with research and application of animal biotechnology. The proposed Conference will be held at the Tuskegee University Kellogg Conference Center. It will bring together scientists, medical personnel, social scientists, ethicists, theologians, other pertinent philosophical disciplines, and laypersons to discuss and define the bioethical issues associated with animal biotechnology research and implementation.
- Conceived, wrote and submitted a proposal to FDA/CFSAN to support a Food Safety Staff Fellow at TU, CISFAPS. The CISFAPS Fellow would be encouraged to apply for a position at FDA at the conclusion of the 2- year fellowship.
- Currently teaching for the Risk Assessment and Economics and two one-hour lectures on science-based concerns with animal biotechnology and a Faculty seminar on animal biotechnology.

Award:\$10,000

College or University:Tuskegee University

Description of Program or Activity: **USAID Africa Trade and Investment Program (ATRIP)** – About 2 years ago, the groundwork started with APHIS, Policy and Program Development (PPD) staffers and Tuskegee to jointly propose a project to USAID focused on providing training in international SPS regulation and risk assessment. ATRIP is a program under which USAID provides funding for projects aimed at supporting and facilitating trade with African countries. The goal of APHIS, PPD and Tuskegee was to provide training to African countries to build indigenous capacity to comply with the SPS Agreement and thus to facilitate trade. APHIS, PPD role was to assist Tuskegee with the design the project, write the project proposal, and participate in the project if it were funded. APHIS, PPD staff spent considerable time discussing the project with Tuskegee faculty and staff, writing and editing the project document, obtaining a letter of support from the APHIS Administrator, and meeting with the AID project officer to discuss our plans. The estimated cost of salary and travel expended by APHIS, PPD staffers is \$10,000 (in-kind contribution to this project). The project was funded for \$1 million and is the largest single proposal funded under the ATRIP program. Tuskegee University is the lead organization. The project is now underway. While APHIS is not providing cash assistance, there is a major commitment through in-kind staff time. Tuskegee has organized three two-week training workshops in Africa, one each in east, west, and southern Africa. APHIS, PPD staff have participated in all. APHIS, Plant Protection and Quarantine staff have also contributed staff time to this project.

Award:\$39,000

College or University:University of Arkansas at Pine Bluff

Description of Program or Activity: **Regulatory Science and Risk Analysis Center** – The UAPB Regulatory Science and Risk Analysis Center was established in 1995 by the Marketing and Regulatory Programs mission area. The Center supports, and is an extension of, the Regulatory Science Degree program at the University. Functioning in a multidisciplinary environment, the Program merges the experience of university faculty and Federal agencies in conducting research and outreach education programs that advances the understanding of, and compliance with, Federal statutes. The Center prepares students and practitioners to conduct risk assessments and develop regulatory strategies in agriculture, environmental biology and industrial health and safety.

As a result of the APHIS Visiting Professor's retirement in December 1999, the agency has worked tirelessly to recruit and fill this position. In FY 02, APHIS, PPQ Leadership made the decision to create a permanent position at the GS-13 level to replace this void. The position was filled in the fourth quarter of FY 02 and salary and benefits expended were \$19,000. APHIS, PPQ, through a cooperative agreement with the University also provided funding at \$20,000 in support of a faculty position to further enhance the delivery of courses associated with the Regulatory Science Degree Program.

FELLOWSHIPS, DOMESTIC/INTERNATIONAL STUDENT/FACULTY EXCHANGES, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs

Award:\$1,829,963 (Undistributed)

College or University:Specific colleges/universities can not be listed; data from program personnel requires input from students who have left agency and school information was not retained. Total dollar amount reflects average salary for 15 Summer Interns @ GS-4 for 12

weeks; 142 Stay-In-School appointments @ GS-5 for 6 months, 16 SCEP appointments for 6 months @ GS-3, and 2 International Services Fellows @ GS-9/11 for 6 months. Total salaries here are reflected under “undistributed column” on spreadsheet.

Description of Program or Activity: **Student Employment Programs** - APHIS continued to be aggressive in its recruitment of students through a network of approximately 600 colleges and universities, professional organizations, agency recruiters and special interest groups. APHIS program areas nationwide participated and supported a total of 173 student employees during FY 2002 through various employment/appointment authorities (Summer Intern Program (SIP), Student Career Experience Program (SCEP), temporary hires and Stay-In-School appointments. (The narrative does not include employment data on 1890 National Scholars, WINS Program, HACU Program which are described separately.)

Award:\$55,130

College or University:Salaries paid out during FY 2002 for **USDA/1890 National Scholar** employees (9) in addition to amount reported above are summarized below by institution:

Alcorn State University	\$9,946
Florida A&M University	\$9,946
Lincoln University	\$4,973
North Carolina A&T University	\$6,893
Southern University	\$4,973
Virginia State University	\$4,973
Tuskegee University	\$4,973
Univ. Arkansas at Pine Bluff	\$8,453

Award:\$14,920

College or University:Lincoln University

Description of Program or Activity: **Wildlife Initiative Student Career Education Internship Program**– Under the Wildlife Initiative at Lincoln University to develop an academic program in wildlife damage management to advance program diversity, APHIS, WS initiated a Student Cooperative Education Program under the direction of the Initiative’s Center Director. The SCEP program was developed to provide summer intern opportunities for the students with a firm commitment by APHIS, WS to provide permanent employment for students after they graduated from the program. During FY 02, three interns were employed during the summer. An additional four students who participated in the previous summer intern program and graduated in May 2002 were converted to permanent positions with Wildlife Services. With the placement of these students with the Wildlife Service program a significant increase in the program’s under-representation of African Americans was realized. The Wildlife Service program has been traditionally under-represented by African Americans as wildlife biologists and technicians; and the Initiative at Lincoln University was initiated to help address that deficiency.

Award:\$0

College or University:Virginia State University

Description of Program or Activity: **Emergency Preparedness and Response Experiential Learning Program**– A ground breaking seminar was held at Virginia State University between students, faculty and APHIS, Veterinary Services’ Disaster Response staffers. The purpose of the seminar was to prepare for and respond to outbreaks of exotic animal diseases or domestic disasters involving animals. The students at VSU will be integrated into the

emergency response training and join with State and Federal veterinarians, animal health technicians and disease specialists to provide the needed response to disease outbreaks or disasters and significant animal diseases during the academic year. This experiential learning session will provide adequate numbers of trained task force members who will be critical to maintain the high level of emergency preparedness necessary to respond to animal disasters and disease outbreaks in the US in the years ahead.

Award:\$24,000

College or University:Alcorn State, Florida A&M, Lincoln, North Carolina A&T State, Southern, Tuskegee, and University of Arkansas at Pine Bluff (**Award split equally @ \$3,429 each Institution**)

Description of Program or Activity: **1890 National Scholar Mentor Program** – The Agency is providing on-going development training for 17 National Scholars. Two years ago, the Agency embarked upon institutionalizing a formal mentor program for National Scholars and Agency Managers serving as Mentors. The APHIS Mentor Program for National Scholars seeks to be a leader in providing high quality mentoring experiences for its National Scholars. Scholars are paired with carefully selected Mentors from among the Agency's leadership team. These Mentors provide valuable counsel and support that enable the Scholars to be among the Department's high performers. During FY 2002, the Agency contracted with Capital Advantage Consulting, a small minority-owned business, to further refine training which will provide additional tools for success.

STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID

Award:\$77,873

College or University:See below

Description of Program or Activity: **USDA/1890 National Scholars Program** – APHIS has provided support and exemplified its commitment for the partnership between USDA and the 1890 Land Grant Institutions. In order to ensure sustainability of its commitment to select at least two new Scholars each year and continue financial support to continuing Scholars, the Agency has established a budget line item in the Civil Rights Enforcement and Compliance office. The National Scholars Program is supported by several APHIS program areas (Veterinary Services, Plant Protection and Quarantine, International Services, Animal Care, Information Technology, Policy and Program Development, and Wildlife Services). During FY 2002, APHIS provided continued funding support for 10 National Scholars and selected two new National Scholars. Total funding expended for tuition, books, and fees were \$77,873.

The Agency also celebrated the graduation of two National Scholars. In December 2001, we graduated a Scholar from Southern University with a degree in Biological Sciences. In May 2002, the second Scholar graduated from North Carolina A&T State University with a degree in Animal Science. Both Scholars graduated Magna cum laude and were converted noncompetitively to career ladder positions at the GS-7 level with potential to the GS-12/13. In August 2002, our NC A&T graduate was transferred back to a SCEP appointment at the graduate level and is currently attending the University of Pennsylvania's School of Veterinary Medicine. The Agency also continues its support to Scholars in graduate and post-graduate studies at Tuskegee University (DVM program) and the University of California-Davis (PhD in plant pathology) with updating of computer equipment and mentoring. The following is our breakdown by Institution of funding for National Scholars:

Alcorn State University	\$10,498
Florida A&M University	\$19,267
Lincoln University	11,312
North Carolina A&T University	\$16,292
Southern University	\$ 4,000
Univ. Arkansas at Pine Bluff	\$ 5,256
Virginia State University	\$11,248

Award:\$0

College or University:Undistributed

Description of Program or Activity: **APHIS Scholarship/Fellowship Programs** –APHIS continued to support an Agency sponsored scholarship/fellowship programs to recruit and retain academically gifted students in the sciences. While none of the current award recipients attend minority-serving institutions, they are minority and female. Partial scholarship awards were given to four **William Helm Scholars** in biological science curricula (\$20,000); three awards were continued under the **Saul T. Wilson Scholarship** in biomedical sciences/veterinary medicine degree programs (\$30,000), and two post-graduate fellowships were sponsored under the **International Services Fellows Program** in international trade/science research (\$32,000). The total of \$82,000 is reflected under the IHE column.

Award:\$23,384

College or University: See listing below:

Description of Program or Activity: **Temporary Housing/Transportation Assistance for Summer Interns and Scholars** – Finding and leasing the most affordable housing that is conducive for commuting to various USDA work sites in the Metropolitan area is no small task. APHIS continued to be the Department's forerunner in coordinating and expending funding to secure affordable temporary, comfortable housing for summer interns and National Scholars that were employed by APHIS and several other USDA agencies (NRCS, FSIS, FS, NAL, RD, OO, OCR, CSREES, and ERS). Of the \$75,563 expended, \$6,528 housed students from Hispanic Serving Institutions and \$7,792 housed students from 1862 Institutions. A total of \$48,915 was reimbursed to APHIS from the above participating USDA agencies; their prorated share should be reflected in their individual reports. Below is the breakdown representing HBCUs supported from the prorated share by APHIS interns and scholars:

Alcorn State University	\$ 9,792
Virginia State University	\$ 3,264
Florida A&M University	\$ 3,264
Southern University	\$ 2,000
Lincoln University	\$ 3,264
Univ. Arkansas-Pine Bluff	\$ 1,800

Award:\$99,800

College or University:Fort Valley State University

Description of Program or Activity: **Veterinary Service Support Program – APHIS, Veterinary Services** - APHIS, Veterinary Service continued to provide support through a cooperative agreement with Fort Valley State University's Veterinary Technician Program. The full funding of this program is \$482,738; of which \$99,800 was committed by APHIS, VS to provide developmental activities that interface with Veterinary Services programs and the

Vet Tech curriculum. To ensure the program's success, experiences are hands-on, and enhance the Program's ability as specific areas are studied. The remaining \$382,938 to support the program is from the State of Georgia.

Award:\$5,000

College or University:Florida A&M University

Description of Program or Activity: **FAMU Student Career Development Program** –

FAMU receives \$5,000/year from APHIS, PPQ under a cooperative grant to provide undergraduate students with hands-on research experience and acquaint them with the ongoing APHIS-PPQ mission and career opportunities.

DIRECT INSTITUTIONAL SUBSIDIES

Award: \$20,000

College or University: Florida A&M University

Description of Program or Activity: **RATLR Summer Program** – APHIS' Administrator continued support of the RATLR (Raising Agriculturally and Technologically Literate Rattlers) Summer Program with a grant of \$20,000. The RATLR Program is designed to provide eligible high school students and teachers the opportunity to gain "first-hand" knowledge of career opportunities in agriculture, food sciences and nutrition, engineering technology and related sciences. The Program also serves as a recruitment tool for the university to identify potential freshmen as well as provide a potential source of future employment with APHIS as students learn more about the role of APHIS as early as the freshman year of high school.

THIRD PARTY AWARDS

Award:\$35,000

College or University:Undistributed

Description of Program or Activity: **Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS)** – APHIS continued its support of the Memorandum of Understanding with MANRRS and shared the cost of salary and benefits with MRP agencies (AMS and GIPSA) to support one senior level position appointed to manage the organization's outreach activities and national conference.

OTHER

Award:\$131,564

College or University:Undistributed

Description of Program or Activity: **USDA, Agricultural Liaison Support** – APHIS contributed \$131,564 during FY 02 in support of this initiative.

AGRICULTURAL MARKETING SERVICE

During Fiscal Year 2002, the Agricultural Marketing Service (AMS), again demonstrated a commitment to achieving diversity in the workforce. In support of this objective, AMS assisted Historically Black Colleges and Universities (HBCUs) and Minorities in Agriculture Natural Resources and Related Sciences (MANRRS) financially and provided work experiences to students at HBCU institutions at the undergraduate and graduate levels. To support this goal, AMS contributed \$267,842 in funds to HBCUs during the fiscal year.

AMS has proven its commitment to sponsor, support and work with MANRRS in its endeavors to foster and promote the agricultural sciences and related fields in a positive manner among ethnic minorities. AMS continued its Memorandum of Understanding with MANRRS and supported one employee as the Liaison Officer with MANRRS.

For the past eight years AMS has had an employee who serves as the 1890's Liaison at Southern University. Also, an AMS employee has been an Instructor of Meat Grading at Southern University for more than four years.

AMS provided funding to support two 1890 National Scholars during FY 2002. This included funding for salary (\$7,000) and two scholarships of \$9,425 and \$5,000. The students attended Southern University and the University of Arkansas, Pine Bluff. AMS also sponsored scholarships totaling \$14,500 in support of the Beginning Agricultural Youth Opportunity Unlimited (BAYOU) Program and offered assistance for another scholarship with the Student Assistantship Program of BAYOU, totaling an additional \$1,500 for training and \$5,000 for scholarships.

AMS has five 1890's USDA/National Scholars who are attending graduate school and working toward degrees in Medicine, Law and a Doctorate in Philosophy. Upon graduation, these students will be offered full time employment with AMS.

GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION

The following are USDA 1890 initiatives supported by GIPSA in FY 02.

USDA National Scholar Program:

The Agency continued to support the National Scholars program. The Agency continued providing summer work experience for the Agency's four scholar students participating under the cooperative education program.

USDA/1890 Excess Property Program:

GIPSA continued to provide information on all available excess equipment to all HBCUs and other institutions of higher education on an ongoing basis.

USDA/Summer Intern Program:

The Agency continued its support for this Department initiative and provided summer employment for students from all HBCUs, HACUs, WINS, SCEP, STEP, and other institutions of higher education.

USDA/1890 Liaison Program:

GIPSA continued to share the cost in supporting USDA Liaisons on the campuses of each of the seventeen 1890 Land Grant Institutions.

The Agency increased the support of HBCU/1890 schools by providing needed funds for supporting the Beginning Agricultural Youth Opportunity Unlimited (BAYOU) project at Southern University.

The following are other educational initiatives supported by GIPSA in FY 02.

Regulatory Science Exploratory Internship Program:

The Agency supported the MRP Collaborative effort with the University of Arkansas at Pine Bluff by providing a summer internship for a student participating in the Regulatory Science and Risk Assessment Program.

GIPSA Scholarship Program

The Agency continued using the scholarship program as a means of addressing targeted under representation.

USDA Education Coordinating Council:

GIPSA continued its participation and support to this Departmental Initiative for FY 02. An Agency representative continued to serve on the council and attended pertinent meetings relating to educational programs in GIPSA and USDA.

National Society of Minorities in Agriculture National Resources and Related Sciences (MANRRS):

GIPSA along with the two MRP sister Agencies (AMS, APHIS) provided annual support and funding to this initiative. MANRRS and its cooperating partners in industry and government are focused on increased diversity and developing leadership skill for college students in agriculture, natural resources, and related sciences.

DC Federal Job Program:

GIPSA continued its support to this Departmental initiative and provided employment to one student under this program. This student graduated in May 2001 from High School and GIPSA hired her as a part-time employee while she attends college.

AWARDS AND NARRATIVE INFORMATION

Fellowships, Traineeships, Internships, Recruitment, and IPAs

Award: \$8,200.00

College or University: Prairie View, Texas

Description of Program Activity: 1890 Scholar Program

Award: \$7,000.00

College or University: Southern University – Louisiana

Description of Program Activity: 1890 Scholar Program

Award: \$6,800.00

College or University: Tennessee State University, Tennessee

Description of Program Activity: 1890 Scholar Program

Award: \$9,900.00

College or University: Missouri Lincoln University

Description of Program Activity: 1890 Scholar Program

Award: \$15,500.00

College or University: University of Arkansas at Pine Bluff, Arkansas

Description of Program Activity: 2 Summer Interns

Award: \$7,800.00

College or University: Kentucky State University, Kentucky

Description of Program Activity: Summer Intern Program

Student Tuition, Assistance, Scholarships, and other Aid:

Award: \$3,000.00

College or University: Lincoln University- Missouri

Description of Program Activity: 1890 Scholar Program

Award: \$5,000.00

College or University: Prairie View A&M University

Description of Program Activity: 1890 Scholar Program

Award: \$4,000.00

College or University: Southern University, Louisiana

Description of Program Activity: 1890 Scholar Program

Award: \$6,000.00

College or University: Tennessee State University, Tennessee

Description of Program Activity: 1890 Scholars Program

Direct Institutional Subsidies

Award: \$10,000.00

College or University: Southern University and A&M College

Description of Program Activity: Beginning Agricultural Youth Opportunity Unlimited (BAYOU)

Other: Liaison Officers

Awards: \$15,219

College or University: Various

Description of Program Activity: Support to Liaison in Universities

RESEARCH, EDUCATION AND ECONOMICS

The Research, Education, and Economics (REE) mission area is assigned Federal leadership responsibility for the discovery, application, and dissemination of information and technologies spanning the biological, physical, and social sciences through agricultural research, education, and extension activities and economic and statistical analysis. REE responsibilities are carried out by four agencies:

- The Agricultural Research Service (ARS) is the principal in-house research agency in USDA in the area of natural and biological sciences.
- The Cooperative State Research, Education, and Extension Service (CSREES) is the Federal partner with land-grant and non-land grant colleges and universities in carrying out extramural research, higher education, and extension activities.
- The Economic Research Service (ERS) is the principal intramural economic and social science research agency in USDA.
- The National Agricultural Statistics Service (NASS) conducts the Census of Agriculture and provides the official current statistics on agricultural production and indicators of the economic and environmental welfare of the farm sector.

AGRICULTURAL RESEARCH SERVICE

1) Goals and measurable objectives ARS sought to achieve during the fiscal year

The Agricultural Research Service (ARS) continues to support Historically Black Colleges and Universities (HBCUs) in keeping with the Department's initiatives and ARS mission to conduct research to develop and transfer solutions to agricultural problems of high national priority and provides information access and dissemination to: ensure high-quality, safe food and other agricultural products; assess the nutritional needs of Americans; sustain a competitive agricultural economy; enhance the natural resource base and the environment, provide economic opportunities for rural citizens, communities, and society as a whole. ARS efforts in strengthening the research and partnerships at the 1890 Land-Grants and Tuskegee University have continued. Some of those activities follow:

- ARS scientists continue to identify research areas and develop specific cooperative agreements, grants and other vehicles to support research and biotechnology in agricultural and food science at HBCUs. This fiscal year's financial contributions to sustain and/or start new projects totaled more than \$2.3 million. Some examples of the type of research projects that ARS is involved in are:
 - Nutritional and Immunological Evaluation of a Transgenic Arabidopsis Allergen-free Peanut Cryopreserve goat germplasm
 - Isolation of antimicrobial components from mushrooms
 - Sweet potato insects and other research
 - Peach-using entomopathogenic nematodes in biological insect control

- Catfish water quality research in earthen ponds, other related research on catfish and warm-water fish species
- Programs for watermelon breeding
- Development of efficient programs for production of swine
- Release and establishment of phorid flies in Northern Alabama and Southern Tennessee
- Continued Lower Mississippi Delta Nutrition Intervention Research Initiative mission actions, which includes analysis of focus group research, and continuing to develop nutrition interventions for the Lower Mississippi Delta region
- Research on improvement of cotton and other crops through biotechnology; improved understanding of cotton fiber genetics, pest resistance and regeneration of tissue culture; and other cotton research
- Developing more effective and efficient methods to control soil erosion and reduce its environmental effects
- Foci on utilization of crops and animals (muscadine grapes, goat meat, fowl meat) that are underutilized in the southeastern United States
- Determining performance and soil compaction characteristics of all-terrain vehicle Goodyear tires, etc.
- ARS scientist and university professors have done extensive work in the development of an improved “Boniato” type of sweet potato for Cuban-American growers. Some improved breeding lines are in advanced testing, and one looks promising for release. These improved “Boniato” type of cultivars will also be beneficial for other underserved U.S. consumers formerly from the Caribbean and Africa.
- ARS scientists are collaborators on 27 Capacity Building Grants (CBG). Scientists have continued to serve as advisors and assisted university personnel in the pre-proposal process. The universities in strengthening proposal development have made noteworthy progress over the years. One such CBG project that ARS is working in collaboration with Alcorn State University is the Enhance Food and Agricultural Sciences Curricula via the World Wide Web. This project is designed to strengthen Alcorn’s capacity to advance its agricultural research, teaching effectiveness and student learning through a proposed faculty-training model. The project is also designed to establish institutes that will stimulate faculty usage of an innovated delivery system via web-based instructions for increasing the number of online agricultural science courses at 1890 Land-Grant Institutions. During the summer a project was given to the intern who researched methods, software, pedagogy, resources, funding sources, and other aspects of web-based instruction. The intern also created a highly useful and targeted web site for the above mentioned resources. A possible outcome of this project may be the development of a model of continuing collaboration with 1890 Institutions and other land grants institutions.
- ARS increased the award for a Specific Cooperative Agreement, Improving the Efficiency of Foodfish and Baitfish Aquaculture at UAPB. This agreement will determine economic impact on bird predation on aquaculture facilities, develop biotechnology capabilities for fish health diagnosis, develop and test market catfish value-added products, and enhance the Aquaculture/Fisheries Center of Excellence research program.

2) Programs ARS implemented that can be used for increasing Federal opportunities for HBCUs and replicated in other agencies

- ARS helps to support and fund “the only Ph.D. program in plant and soils science at a HBCU or university campus,” Florida A&M University. The university was ranked as the nation’s number one university in the year 2001 for training the highest number of African American graduates at the Ph.D. level.

- ARS awarded a Specific Cooperative Agreement to the University of Arkansas, Pine Bluff (UAPB) to develop a Community Readiness and Development Center related to the Lower Mississippi Delta Nutrition Intervention Research Initiative (Delta NIRI) and to continue to develop community interventions. The objective of this cooperative research project is to evaluate the nutritional health in the Lower Mississippi Delta, to identify nutritionally responsive problems, and to design and evaluate interventions that may be sustained at the community level and implemented on a larger scale in similar areas of the United States.
- ARS scientists provided guidance to a HBCU on designing experiments that will benefit small farmers using trap crops for control of insects. Scientists also designed appropriate experiments that will enhance the success of using this control strategy for cucumber beetle.

Research and Development

Award: \$80,728

College or University: Alabama A&M University

Description of Program or Activity: The Mid South Area (MSA), Biological Control of Pests Research Unit agreement for the purpose of release and establishment of phorid flies in Northern Alabama. Pre-treatment and post-treatment assessment of fire ant and native ant populations will be used to assess the impact of the parasitoids (phorid flies).

\$10,000

The MSA, Food and Feed Safety Research unit continued its collaborative research on improvement of cotton and other crops through biotechnology. In addition, a scientist continues to serve as an adjunct graduate faculty member in the Department of Plant and Soil Sciences.

During the first quarter FY 2002 a MSA Specific Cooperative Agreement began entitled, Improved Understanding of Cotton Fiber Genetics, Pest Resistance and Regeneration of Tissue Culture.

\$4,878

During the first quarter, the MSA, Waste Management and Forage Research unit increased funding of a Specific Cooperative Agreement to support research by a student in the Student Career Experience Program. This minority male employee is a candidate for the Masters in Soil Science.

\$4,850

MSA, Biological Control & Mass Rearing Research Unit is in the second year of a Specific Cooperative Agreement with the university on Fate and Persistence in the soil of Cry 1 Ac Toxin from Bt Cotton.

\$10,000

The MSA, Food and Feed Safety Research Scientist served as adjunct faculty member and on the advisory committee of a Ph.D. student. Critical research advice was provided which was essential to the success of certain research projects at the university.

MSA is the cooperator on a three-year project under the USDA 1890 Cooperative Proposal Capacity Building Program for a project entitled Evaluating and Modeling Soil Carbon Dynamics in Conservation Tillage Cotton Production Systems.

ARS scientist at the Mid West Area, National Soil Dynamics Laboratory worked with an engineer with the Goodyear Tire and Rubber Company from Akron, Ohio on a project to determine performance and soil compaction characteristics of all-terrain vehicle tires.

Two MSA, Natural Products Research Unit scientists are collaborating with a Plant Pathologist at Alabama A&M University on the isolation of antimicrobial components from mushrooms and are listed as cooperators on a grant proposal to be submitted to the National Research Initiative.

A MSA scientist was a consultant on a Capacity Building Grant (CBG) entitled Silencing Peanut Allergens: A Molecular Strategy. ARS scientists also consulted on experiments and interpretation of immunoassays when necessary

MSA scientists were the reviewer and co-authors in the publication of two papers this year entitled Alterations in Structure, Function and Allergenic Properties of a Major Peanut Allergen, Ara h 2, and cDNA Cloning of a Putative Peanut Trypsin Inhibitor with Homology to Peanut Allergen, Ara h 3. Both publications were submitted in September 2002.

MSA scientist agreed to be consultant and collaborator on an Small Business Innovation Research Grant entitled Nutritional and Immunological Evaluation of a Transgenic Ara h 2 Allergen-free Peanut. In addition, the scientist contributed to the writing of the grant and wrote a letter of support. If funded, ARS will assist in performing immunological assays.

MSA consultant and collaborator on a proposal entitled “Genetic Engineering of an Allergen-free Peanut.”

The Beltsville Area (BA) Community Nutrition Research Group (CNRG) has a Specific Cooperative Agreement that includes working with the university to (1) plan and collect the community level data for Community Nutrition Mapping Project, and (2) plan and coordinate Food and Nutrition Summer Institute. \$51,000

Award: 0

College or University: Alabama A&M University, Florida A&M University, Fort Valley, State University

Description of Program or Activity: BA scientists from the Alternate Crops and Systems Laboratory are working with several 1890 institutions and universities assisting them in the use of crop models as research and teaching tools.

Award: 0

College or University: Albany State University

Description of Program or Activity: The National Peanut Research Laboratory continues with research on irrigation water usage with a grant from the National Research Initiative (NRI) in conjunction with the university. Additional NRI grants were awarded for research on water scarcity and new state water policies.

Award: \$215,791

College or University: Alcorn State University

Description of Program or Activity: ARS Executive Director in the Southern Plains Area (SPA), Lower Mississippi Delta Nutrition Intervention Research Initiative (NIRI) met with the Vice President of Research and faculty of various departments at the university to discuss new collaborative efforts (Program Nutrition PLUS and Public Learning Utilization System). The outcome, additional Alcorn staff will be available to work with the Lower Mississippi Delta Nutrition Intervention Research Initiative.

During the first quarter, the MSA, Waste Management and Forage Research unit increased funding of a Specific Cooperative Agreement to support research by a student in the Student Career Experience Program. This student employee is a candidate for the Masters in Soil Science.

\$3,500

MSA scientist has received a new Congressional appropriation to increase efforts on sweet potato insects, including additional funds for a Specific Cooperative Agreement with the university's Mound Bayou Demonstration Farm.

\$52,000

MSA, Small Fruit Research Station initiated a new Cooperative Agreement with Alcorn that will begin later this fiscal year entitled Impact of North American Free Trade Agreement on Small Acreage Producers of Small Fruit and Vegetables in the Southern Region.

\$15,000

MSA, Catfish Genetics Research Unit scientist agreed to serve as USDA collaborator on a CBG proposal entitled, Enhancing Teachers' and Students' Understanding of Agricultural Biotechnology through Summer Laboratory Workshops and Course Lectures. This is an expansion of a project currently funded by USDA-Initiative for Future Agriculture and Food Systems.

MSA, Catfish Genetics Research Unit provided catfish fingerlings for aquaculture research studies at Alcorn.

Scientists from the MSA, Small Fruit Research Station served as advisors on a proposal for a CBG proposal titled Sustainable Agronomic Practices for Medicinal Herb Production.

Continued collaboration is occurring with the Mid West Area (MWA), National Soil Erosion Research Unit. The soil erosion by water research collaboration is working on developing more effective and efficient methods to control soil erosion and reduce its environmental effects.

In the Northern Plains Area (NPA) a Specific Cooperative Agreement was amended to increase funding for the project, Development of Efficient Program for Production of Swine in the Southern United States.

\$144,291

South Atlantic Area (SAA) scientist from the U.S. Vegetable Laboratory initiated research collaborations with the university on developing simple sequence repeat markers to be used in the breeding programs for watermelon.

Scientist from the Southern Plains Agricultural Research Center, Crop Germplasm Research Unit interacted on the joint cotton research funded by Cotton Incorporated. The work will facilitate research of mutual interest and will result in the training of Alcorn scientists in new research techniques. \$1,000

ARS is collaborating with Alcorn on a CBG: Enhancing Food and Agricultural Sciences Curricula via the World Wide Web. This project is designed to strengthen Alcorn's capacity to advance its agricultural research, teaching effectiveness and student learning through a proposed faculty-training model. The project is also designed to establish institutes, which will stimulate faculty usage of an innovated delivery system via web-based instructions for increasing the number of online agricultural science courses at 1890 land-grant institutions.

Award: 0

College or University: Delaware State University

Description of Program or Activity: The Beltsville Area Insect Biocontrol Laboratory was involved in the collaborative research on gypsy moth management research project with the university.

Award: \$140,000

College or University: Florida A&M University

Description of Program or Activity: MSA scientists assisted with the writing of a CBG and performed collaborative efforts in research as well.

Pacific West Area (PWA) is collaborating on a CBG, title: Establishment of Grape (Vitis L.) Germplasm Center with Emphasis on Evaluation and Genetic Analysis of Pierce's Disease.

SAA, Crop Protection & Management Research Unit continues research cooperation with the university on biological control of insect pests.

SAA, U.S. Sugarcane Field Station signed an agreement with the university to assist on a graduate committee to study the conversion of sugar cane bagasse to ethanol. The Field Station also furnished the bagasse for the research project.

SAA, Poultry Processing & Meat Quality Research Unit was successful in obtaining a three-year grant with the university. The grant is providing \$90,000 per year and focuses on the utilization of crops and animals (Muscadine grapes, goat meat, spent fowl meat) that are underutilized in the southeastern United States. \$90,000

SAA scientist in the Southeast Poultry Research Laboratory is collaborating with the university to work on developing improved methods of administering DNA vaccines, and helping to submit a proposal for continued funding of the project.

BA scientist from the Fruit Laboratory collaborated with scientist at the university and wrote a research paper and an abstract.

BA, Alternate Crops & Systems Lab established a cooperative agreement to work on Testing Decision Support Systems. \$50,000

PWA is the collaborator on a CBG proposal: Enhancing Student Experiential Learning for Biotechnology by Developing Innovative Curriculum and Identification of DNA Sequences from Grape for Pierce's Disease Tolerance.

Award: 0

College or University: Fort Valley State University

Description of Program or Activity: SPA, Dale Bumpers Small Farms Research Center awarded grant entitled Novel Methods for Sustainable Control of Gastrointestinal Nematodes in Small Ruminants. This grant will provide funds for cooperative research and outreach between ARS and the State of Georgia's 1890 institutions.

MSA, Natural Products Utilization Research Center is participating in an USDA-sponsored CBG for the predominantly minority university. A scientist visited the university in November 2001 to help plan the research.

An employee from the MWA, Livestock Behavior Research Unit is serving as an advisor on a CBG entitled, Effects of Pre-slaughter Stress on Physiological Responses and Mean Quality Characteristics in Goats.

SAA, Southeast Fruit and Tree Nut Research Laboratory continue its cooperative research grant on peach biotechnology with the university. The research laboratory has initiated a collaborative research project with the Biology Department to determine the potential of using entomopathogenic nematodes in biological insect control.

SAA, Crop Protection & Management Research Unit continues a Sustainable Agriculture Research and Education Program (SARE) research grant on sustainable cotton production systems in cooperation with the university.

SAA scientist from the Subtropical Agricultural Research Station is a collaborator with scientists at the university on a SARE grant, Novel Methods for Sustainable Control of GIN in Small Ruminants. This grant is administered through the university with subcontracts to all other collaborators.

An ARS scientist from the SPA, Dale Bumpers Small Farms Research Center conducted research related to the SARE Grant Award that advanced research potential of cooperating with 1890 institutions.

Scientists from the BA, Alternate Crops & Systems Laboratory co-authored and submitted a research proposal for funding from the CBG program entitled, Carbon Sequestration and Nitrogen Utilization in Cotton Production Systems.

Award: 0

College or University: Howard University

Description of Program or Activity: BA, Animal Manure & By-Products Laboratory (AMBL) is involved with Co-op Research with the university's Botany Department on effects of Ni supply on reproduction of Ni hyperaccumulator plant; the Howard professor completed a sabbatical at the AMBL and used lab's analytical instruments to complete experiments in progress.

BA, Molecular Plant Pathology Laboratory cooperated with a university professor on a paper concerning molecular phytoremediation for publication in *Soil Biology and Biochemistry* (acceptable with revision) for the 1890 Institutions' report.

Award: 0

College or University: Kentucky State University

Description of Program or Activity: MSA, Catfish Genetics Research Unit continued catfish research under a specific cooperative agreement by collecting and analyzing data associated with the project.

A Research Entomologist with the SAA, U.S. Vegetable Laboratory served as the ARS collaborator on a CBG awarded to the university on Insecticides from Wild Tomato: An Alternative for Limited Resource Farmers. This research is ongoing and has the potential to aid limited resource farmers.

Award: \$5,000

College or University: Langston University

Description of Program or Activity: Scientists from the MSA, Catfish Genetics Research Unit continued catfish research under a specific cooperative agreement to include obtaining fish produced at Langston and transporting them to USDA for research purposes. \$5,000 Northern Plains Area (NPA) scientists are working with the Institute of Food and Agricultural Services on a grant to develop a goat decision support system.

NPA scientists assisted in the application process for a CBG and participate in the activities. Periodic visits are made to the university throughout the year to discuss research plans and to review research papers. ARS scientists work in a cooperator capacity to help develop grants to support their research. Participation may also include meetings with the university staff to go over their needs, funding challenges, and expected outcomes of research projects.

The BA, Immunology & Disease Resistance Lab is involved in cooperative studies with scientists on mastitis in goats.

Award: 0

College or University: Lincoln University

Description of Program or Activity: A scientist from the MWA, Cropping Systems and Water Quality Research Unit is serving as a collaborator on a CBG project entitled, Containment and Enhanced Degradation of Pesticide Wastes.

Award: \$15,000

College or University: Mississippi Valley State University

Description of Program or Activity: The MSA, Catfish Genetics Research Unit funded a cooperative agreement on catfish water quality research in earthen ponds.

\$15,000

MSA scientist from the Catfish Genetics Research Unit performed cooperative research in conjunction with an instructor at the university and an undergraduate student to create a system to produce and purify a specific catfish protein in bacteria.

Award: 0

College or University: Morehouse College

Description of Program or Activity: Collaborative research between a MSA laboratory and Morehouse's Biology Department is ongoing. The work involves growing and studying physiological responses of various corn lines under different water regimes under greenhouse conditions in relationship to aflatoxin-resistance. The Morehouse Biology Department has a state-of-the-art greenhouse.

Award: \$25,000

College or University: Morgan State University

Description of Program or Activity: BA, Community Nutrition Research Group is working under a Specific Cooperative Agreement: An Epidemiological Evaluation of African American Food Intake.

Award: 0

College or University: North Carolina A&T State University

Description of Program or Activity: During the second quarter a MSA scientist served as USDA-ARS liaison for the project Granular Activated Carbon made from North Carolina Agricultural by-products with a professor from the university's Department of Human Environment and Family Sciences who was the project director.

Continued collaboration is occurring between the MWA, National Soil Erosion Research Unit and the university. The soil erosion by water research collaboration is working on developing more effective and efficient methods to control soil erosion and to reduce its environmental effects.

Scientists from the SAA, Coastal Plains Soil, Water, and Plant Research Center are working with the university to plan a cooperative agreement on wetland and duckweed treatment animal waste water.

BA, Immunology and Disease Research Laboratory conducted cooperative studies with the Department of Animal Science at North Carolina A&T State University and Langston University on bovine neutrophil function. The research findings on modulation of bovine neutrophil cell surface receptors were presented at the 2002 joint meeting of American Dairy Science Association and American Society of Animal Science. Two thousand (2,000) scientists attended the meeting. The presentation generated future cooperative studies among some scientists attending the meeting.

Award: \$323,000

College or University: Prairie View A&M University

Description of Program or Activity: MSA scientists from the Food and Feed Safety Research unit continued to supply Cooperative Agricultural Research Center scientist with technology in molecular biology critical to ongoing research on prevention of aflatoxin contamination of crops.

A CBG was awarded to the university to build increase cryopreservation and genetic conservation capacity. NPA scientist is collaborating on this CBG.

NPA scientist is working with a research leader at the university's International Goat Research Center in building the institution's capacity to cryopreserve goat germplasm.

\$300,000

BA, Community Nutrition Research Group is working on a Specific Cooperative Agreement: Nutrition & Physical Activity: Community Based Assessments.

\$20,000

Scientist from the Southern Plains Agricultural Research Center, Food and Feed Safety Research Unit developed a joint research proposal that also included Texas A&M University-College Station and the National Alliance for Food Safety as cooperators. This proposal will: (1) facilitate Prairie View A&M University research on value added goat meat products to enhance consumer acceptance and provide another economical and nutritious source of safe, lean, red meat; and (2) will involve a large number of minority students in agricultural research.

\$1,000

The Southern Plains Agricultural Research Center, Food and Feed Safety Research Unit established a formal cooperative research effort on goat research. This research effort will: (1) define the role of pathogenic microorganisms in mastitis in goats and in goats milk so effective control methods can be developed and implemented; and (2) will involve a number of minority students in the work.

\$2,000

Award: \$310,000

College or University: Southern University

Description of Program or Activity: The SAA, Lower Mississippi Delta Nutrition Intervention Research Initiative awarded a Specific Cooperative Agreement to continue Delta NIRI mission actions, to complete analysis of focus group research, and to continue to develop nutrition interventions for the Lower Mississippi Delta region. Outcome -- completed the Focus Group Study. One USDA scholar has been actively involved in the project.

\$290,000

MSA, Small Fruit Research Station has pending one CBG proposal at the university. ARS scientist will serve as advisor on the proposal if funded. The CBG Title: Identification of DNA sequences from grape for Pierce's Disease Tolerance.

BA, Community Nutrition Research Group is working on a Specific Cooperative Agreement: Nutrition & Physical Activity: Community Based Assessments.

\$20,000

Award: 0

College or University: South Carolina State University

Description of Program or Activity: A scientist from the SAA, Analytical Chemist in the Quality Assessment Research Unit signed a specific cooperative agreement with the university to develop spectroscopic software to assist with the integration of numerous commercial software packages, which will enhance the research capabilities of the unit.

A scientist from the SAA, U.S. Vegetable Laboratory presented seminars for faculty and students at the university on the Genetic Improvement of Watermelon, and Improving Vegetable Crops Using Biotechnology Tools.

Award: \$65,400

College or University: Tennessee State University

Description of Program or Activity: Southern Plains Area (SPA), Dale Bumpers Small Farms Research Center awarded a Specific Cooperative Agreement entitled Agroforestry Research and Outreach Targeting Tennessee Farmers. The funds will be utilized to: (1) hire a student from the cooperating university to maintain field plots and collect data; (2) develop research/demonstration sites for outreach and training targeting minority farmers in the central Tennessee area; and (3) train student in agricultural related research.

\$5,300

MSA, Biological Control of Pests Research Unit agreement for the purpose of release and establishment of phorid flies in Southern Tennessee. Pre-treatment and post-treatment assessment of fire ant and native ant populations will be used to assess the impact of the parasitoids (phorid flies).

\$10,000

SAA scientist from the Imported Fire Ant & Household Insects Research Unit, Center for Medical, Agricultural, and Veterinary Entomology is serving as a collaborator on a CBG for the university.

The staff at the SPA, Dale Bumpers Small Farms Research Center aided in plot maintenance of cooperative research. This activity increased interactions with professionals serving minority landowners.

\$100

BA has a Specific Cooperative Agreement with the university. \$35,000

BA provides staffing at the Center of Excellence for Nursery Crop Research and provides funding for the Environmental Resource Management Systems for containerized ornamentals.

\$15,000

Award: \$6,000

College or University: Tuskegee University

Description of Program or Activity: A MSA scientist from the Food and Feed Safety Research Unit served as expert advisor and collaborator with the university on tissue specific expression of genes in genetically engineered sweet potato. Critical research advice and expertise provided that was essential to the success of certain research projects at the university.

MSA continued a Specific Cooperative Agreement titled Disease Resistance in Warm Water Fish Species.

\$6,000

MWA, Plant Polymer Research Unit has informal research collaboration on edible films from cross-linked protein hydrolysates with transglutaminase.

A scientist from the SAA, U.S. Vegetable Laboratory is co-principal investigator on a CBG proposal with Tuskegee University and North Carolina State University, "Studies on the spread of the sweet potato weevil and the possible existence of ntra-specific variation in the weevil population in the southeastern United States"

SAA scientists from the Southeast Poultry Laboratory and the Poultry Processing and Meat Quality Research Unit presented scientific seminars at the university.

Award: \$657,471

College or University: University of Arkansas, Pine Bluff (UAPB)

Description of Program or Activity: The SPA, Lower Mississippi Delta NRI awarded a Specific Cooperative Agreement to develop a Community Readiness and Development Center and to continue to develop community interventions. A Community Development Workshop was held to educate the Lower Mississippi Delta NRI Partners, community liaisons, and others to prepare for interventions in the community. \$310,000

SPA, Aquaculture Systems Research Unit increased award for a Specific Cooperative Agreement, Improving the Efficiency of Foodfish and Baitfish Aquaculture. This agreement will determine economic impact on bird predation on aquaculture facilities, develop biotechnology capabilities for fish health diagnosis, develop and test market catfish value-added products, and enhance the Aquaculture/Fisheries Center of Excellence research program. \$299,408

In the second quarter, the MSA, Catfish Genetics Research unit added funds to a Specific Cooperative Agreement entitled Catfish Breeding for Disease Resistance. Funds are used to support one African American female graduate student conducting research of mutual interest. \$25,000

MSA, Catfish Genetics Research Unit added funds to an existing cooperative agreement for catfish genetics research. Funds will be used to conduct research at UAPB and provide financial support to a graduate student working on the project. \$23,063

MSA, Catfish Genetics Research Unit continued cooperative research with a graduate student funded under a Specific Cooperative Agreement to evaluate functional responses of disease resistant and susceptible catfish.

SAA, Southeast Fruit and Tree Nut Research Laboratory continue as cooperator on a CBG for the development of native plum germplasm with the university.

Award: 0

College or University: University of Maryland, Eastern Shore

Description of Program or Activity: MWA, Animal Physiology Research Unit has informal research collaboration with the Assistant Professor, Agriculture Department at the university. The research collaboration is working on understanding the interface between stress and productivity in the neonatal pig.

SAA, Animal Physiology Research Unit is collaborating with the university on a CBG: Cloning of a Novel Satiety Factor in Swine and its Effects on Pituitary Hormones. Period of performance is September 2001 to August 2003.

Scientists from the BA, Soybean Genomics and Improvement Laboratory collaborated on two CBGs: Controlling Ineffective Bradyrhizobium with Phages to Enhance Nitrogen Fixation in Soybean, and Characterizing Cowpea Genotypes for Drought Tolerance in the Delmarva ecosystem.

Award: 0

College or University: University of the Virgin Islands

Description of Program or Activity: SAA, Tropical Agriculture Research Station has a Memorandum of Understanding in place with the University of the Virgin Islands. The Research Leader is collaborating with the university in a USDA-IFAS (University of Florida) research grant titled: A Model Integrated Small Farm for the United States, Caribbean and Pacific Islands. The objective of this research is to create a model small farm that combines the strengths of traditional integrated tropical agriculture with a modern focus on niche, value-added market opportunities to produce a commercial enterprise that is an example of a profitable agribusiness. The whole-farm system integrates aquaculture, vegetable and fruit tree production, livestock, and poultry in an enterprise grossing \$100,000.00 annually. The technology developed in this project will be disseminated through field days, print, radio, television, and the Cooperative Extension Service.

Award: 0

College or University: Virginia State University

Description of Program or Activity: SPA, Kika de la Garza Subtropical Agricultural Research Center, Integrated Farming and Natural Resources Research Unit scientists are collaborating on a Capacity Building Grant. From the CBG, the students and faculty will gain knowledge on remote sensing, global positioning system and geographic information system technologies and their application to natural resource management.

Collaborating on a Capacity Building Grant - Regulation of Embryonic Blastocoele Formation and Development in Small Ruminants.

Award: 0

College or University: Xavier University

Description of Program or Activity: Scientists from the MSA, Food and Feed Safety Research unit are continuing the research collaboration in understanding the regulatory link between fungal growth and toxin production with the Department of Biology at the university.

Scientists from the MSA, Food and Feed Safety Research unit maintained strong research cooperation with Xavier University; several students have been supported in cooperative efforts working on fungal molecular biology projects. Students utilize ARS laboratories to conduct their research. Several students present cooperative research at national meetings.

Program Evaluation

Award: 0

College or University: Alcorn State University

Description of Program or Activity: SAA scientist is working with the university as the advisor on a CBG. This grant will enable the SAA scientist to hire graduate and undergraduate students at the university and to train them in research in plant molecular biology. Part of this work involves the development of new molecular markers to probe for resistance genes in the U.S. Vegetable Laboratory sweet potato breeding lines and other U.S. Vegetable Laboratory identified germplasm. In the winter of 2002, material from the U.S. Vegetable Laboratory program and other germplasm were propagated and sent to the university's scientist for his work.

SAA scientist has been involved in extensive work in the development of an improved “Boniato” type sweet potato for Cuban-American growers in South Florida. Some improved breeding lines are in advanced testing, and one looks promising for release. These improved “Boniato” type cultivars will also be beneficial for other underserved U.S. consumers formerly from the Caribbean and Africa.

Award: 0

College or University: Florida A&M University (FAMU)

Description of Program or Activity: SAA, Southeast Watershed Research Laboratory has provided research scientists to assist FAMU in the preparation of a proposal that was funded by the FAMU Science Center. SAA research scientist served on the Steering Committee for the Science Center. This involved helping them set up review criteria and procedures, providing written reviews for 14 proposals, and serving on the proposal evaluation panel.

Award: 0

College or University: Fort Valley State University

Description of Program or Activity: SAA scientist from the U.S. Vegetable Laboratory is working with the Agricultural Research Station at the university. In the spring 2002, specialty type sweet potato breeding lines were sent to the station for evaluation for underserved growers in Georgia and for their potential as cultivars for niche markets. Some of these are high dry matter types from the U.S. Vegetable Laboratory program that will be featured in an Open House for growers and consumers conducted by the university’s Research and Extension faculty.

Award: 0

College or University: Kentucky State University

Description of Program or Activity: SPA, South Central Agricultural Research Laboratory scientist, who served as a consultant, provided guidance on designing experiments that will benefit small farmers using trap crops for control of insects. The principal investigator used the information to design appropriate experiments that will enhance the success of using his control strategy for cucumber beetle.

Award: \$400

College or University: Langston University

Description of Program or Activity: Scientists from the SPA, Grazinglands Research Laboratory toured Logan County Environmental Quality Incentive Program project with the University Outreach Specialist to identify possible research sites on the watershed. Potential cooperative research sites/projects involving Eastern Red Cedar effects on water resources were considered.

Award: 0

College or University: North Carolina A&T University

Description of Program or Activity: SAA scientists from the Coastal Plains Soil, Water, and Plant Research Center are among the authors of a paper from the university on “No Tillage Performance on a Piedmont Soil” that was presented at the Conservation Tillage Conference for Sustainable Agriculture in Auburn, Alabama, June 2002.

SAA scientist from the U.S. Vegetable Laboratory served as principal investigator of a Sustainable Agriculture Research and Education Program, Research & Education grant pre-proposal in collaboration with researchers at a combination of 13 Historically Black and Hispanic Colleges and Universities.

Award: 0

College or University: Prairie View A&M University

Description of Program or Activity: SPA, Plant Science and Water Conservation Laboratory, Wheat, Peanut and Other Field Crops collaborated with research scientist. The outcome -- developed aflatoxin-resistant peanut germplasm.

Award: 0

College or University: Tennessee State University

Description of Program or Activity: The staff in the BA, Floral Nursery Plans Research Unit conducted a progress evaluation of a CBG project.

Award: 0

College or University: Tuskegee University

Description of Program or Activity: SAA scientist from the U.S. Vegetable Laboratory has developed a research relationship with a sweet potato breeder at the university. In spring 2002, a scientist at the university was sent insect and disease resistant sweet potato breeding lines from the U.S. Vegetable Laboratory to evaluate their potential as cultivars for minority farmers in Alabama.

Award: 0

College or University: Alcorn State University, Florida A&M, Virginia State, Tennessee State, Alabama A&M, Fort Valley State and Tuskegee University.

Description of Program or Activity: MSA scientist from the Biological Control and Mass Rearing Research Unit, evaluated grant proposals submitted from 1890 universities; and participated in a two-day peer review panel meeting to rank each proposal.

Training

Award: 0

College or University: Alcorn State University

Description of Program or Activity: During the second quarter, the MSA, Food and Feed Safety unit scientists presented two “training” lectures at the Biotechnology Educational Initiative Workshop for students, staff, and extension agents (100 participants). Southern Agbiotech Consortium for Underserved Communities sponsored this workshop in cooperation with Cooperative Extension Program. Lectures covered the following two topics: (1) Major Advances in Genetics and Molecular Biology: Crop Biotechnology, and (2) Using Biotechnology to Enhance Food Safety.

MSA, Crop Genetics and Production Research Unit is sponsoring a project entitled Enhancing Teachers and Students hands-on experience in Agricultural Biotechnology through summer laboratory workshops.

During the second quarter, the Mississippi State’s Biotechnology Educational Initiative Workshop was held March 2002. Sponsored by: Southern Agbiotech Consortium for

Underserved Communities in cooperation with Cooperative Extension Service. A MSA scientist from the Genetic and Precision Agriculture Research Unit was the keynote speaker at the luncheon. Another scientist from that unit gave a presentation entitled, “Biotechnology as a Concept.”

SAA’s Research Entomologist, U.S. Vegetable Laboratory served on a panel for a Biotechnology Training Workshop and presented The Need to Reduce Insecticides: The Agribiotech Strategy at the university. The workshop helped extension agents and farmers in small farm communities better understand biotechnology in agriculture so that ARS can provide better advice and help them to make better farming related decisions.

Award: \$10,000

College or University: Alabama A&M University

Description of Program or Activity: A scientist from the MSA, Biological Control and Mass Rearing Research Unit is serving as a member of a M.S. student’s advisory committee.

A MSA scientist and technician will continue to train post-doctoral fellows and students from the laboratory in immunological assays necessary for collaborative projects.

MWA, National Small Grains and Potato Germplasm Research Facility (NSGGRF) has an ongoing relationship with Alabama A&M. Funds provided through the specific cooperative agreement help to support “the only Ph.D. program in plant and soils science at a HBCU or university campus.” The university was ranked as the nation’s number one university in the year 2001 for training the highest number of African American Graduates at the Ph.D. level. Such a singular achievement was possible in part because of sustained support the NSGGRF. Through support from this cooperative agreement a minority female received her Ph.D. training at NSGGRF and is now employed as a postdoctoral fellow with ARS at Stoneville, MS.

\$10,000

Award: \$800

College or University: Delaware State University

Description of Program or Activity: Employees from the BA, Immunology & Disease Resistance Lab lectured in a workshop on Mastitis in Goats and Milk Quality. \$800

A scientist from the BA, Produce Quality & Safety Laboratory presented a seminar on plant physiology research and discussed job opportunities and training needed for careers with ARS.

Award: 0

College or University: Florida A&M University

Description of Program or Activity: Scientists from the MSA, Biological Control and Mass Rearing Research Unit were invited to present a seminar before faculty and graduate students of the College of Engineering Sciences, Technology & Agriculture Division of Agricultural Sciences. The presentation was entitled, “Conserving, Protecting and Rearing Predators and Parasitoids.”

Award: \$0

College or University: Fort Valley State University

Description of Program or Activity: SAA scientists from the Southeastern Fruit & Tree Nut Research Unit gave guest lectures to the Entomology classes at the university. Two university

students from Fort Valley have been trained in general laboratory skills pertaining to invertebrate pathology and microbiology. The two students are conducting research for their Senior Research Projects in the laboratory. Students from the basic course in plant pathology from the university were given the opportunity to tour the location, to collect disease specimens, learn about disease cycles of major diseases of fruit and nut crops. Students also learned how nematodes can be used to control insect pests of pecan; and how arthropod pests of fruit and nut tree crops are controlled and what ARS is doing to solve related pests problems.

Award: 0

College or University: Howard University

Description of Program or Activity: BA, Produce Quality & Safety Laboratory mentored staff and students in systematic biology.

BA, Produce Quality & Safety Laboratory scientists are involved in collaborative research with Howard's Biochemistry Department resulting in the preparation of a manuscript entitled "Ethiopian soils harbor natural populations of rhizobia that form symbioses with common bean (*Phaseolus vulgaris* L.)."

Award: \$1,100

College or University: Langston University

Description of Program or Activity: Scientists from the SPA, Grazinglands Research Laboratory organized a seminar/workshop with the Northern Plains Area staff on farm management software, Great Plains Farm (GPFARM), for research scientists and outreach and extension specialists, met regarding collaborative research and evaluation of GPFARM for small farmers. The outcome of these activities included: (1) Outreach specialists and researchers were interested in the application of the software to the small, resource-limited farmer and management of tribal lands, and (2) Potential cooperative research and outreach opportunities were identified.

Scientists from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit participated in the Annual Small Farmers' Conference. At the conference a research animal scientist gave a presentation entitled Alternative Marketing Strategies. The impact included: (1) small farmers were educated about recent research progress; and (2) ARS scientists learned from the farmers and outreach specialists about their concerns and needs thus strengthening the small-farms research project.

A Plant Physiologist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit taught a basic statistics class for the Department of Natural Resources and Agricultural Sciences. The class aided 14 students in learning basic statistics i.e., mean separation, regression, correlation, and analysis of variance. The students were exposed to the types of data they may encounter in working for various USDA agencies.

A Research Physiologist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit helped a senior chemistry student with her senior project. The student completed the following: (1) research on the effects of two non-protein amino acids on seed germination and seedling development of several plant species; and (2) thesis project and presented results at the Annual Research Conference for HBCUs, as well as, at the University's Annual Student Paper Contest.

A scientist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit participated in the annual employees' workshop for the Outreach and Extension Agents. This workshop provided contact with Outreach Specialists working with under-served, resource-limited farmers and allowed discussion of specific problems of forage production in their target areas. The scientist also had an opportunity to discuss possible cooperating opportunities with outreach specialist working with several Native American Tribes on the management of tribal lands.

A scientist from the SPA, Grazinglands Research Laboratory met with Outreach Specialist, USDA Liaison Officers, and USDA-Natural Resources Conservation Service employee regarding possible research involvement in an Environmental Quality Incentive Program priority area in Logan County. This meeting increased awareness of issues that are of high priority to small producers to address their needs; and ARS will develop a Geographic Information System (GIS) database of the priority area to support field and modeling research.

A Geologist from the SPA, Grazinglands Research Laboratory, Great Plains Agroclimate and Natural Resources Research Unit taught GIS laboratory classes at the university. Students were trained to perform GIS work needed by government agencies.

A Research Agronomist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit assisted in the preparation and presentation of the Logan County Field Day. ARS scientist presented current work on forage management to outreach specialists, farmers, and other interested parties at field research site. Participants were made aware of new information based on current research and general questions about forage production were discussed.

Scientists at the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit provided a review and photographs/figures for a book titled *Understanding Biotechnology* published by Prentice Hall. This review improved the quality and usefulness of a textbook written by a minority author. \$300

Scientist from the BA, IDRL lectured at Langston University in a workshop on Mastitis in Goats and Milk Quality. \$800

Award: \$2,000

College or University: Prairie View A&M University

Description of Program or Activity: Employees at the Southern Plains Agricultural Research Center, Area-wide Pest Management Research Unit provided onsite training to an African American student while the student was employed during the summer on the Student Temporary Employment Program. The student expressed a strong desire in employment with ARS upon graduating in December 2002.

Award: 0

College or University: Southern University, Baton Rouge

Description of Program or Activity: MSA delivered a keynote address on the present status of agricultural biotechnology in the USA at a workshop on "Agricultural Biotechnology and Recruitment Strategies for the 21st Century."

Award: 0

College or University: University of Maryland, Eastern Shore (UMES)

Description of Program or Activity: SAA, Animal Physiology Research Unit provided instructions to the Assistant Professor, Department of Agriculture, and graduate students of the university, on the technique of cauterization of the jugular vein in swine and counseled graduate students on research techniques and career opportunities in animal agriculture. The unit also hosted a minority graduate student from the UMES for the purpose of developing the student's skill and knowledge in the technique of pituitary cell culture and radioimmunoassay as part of the collaborative research outline in the CBG.

Award: 0

College or University: Virginia State University (VSU)

Description of Program or Activity: PWA, U.S. Sheep Experiment Station scientist participated in writing a grant proposal, entitled Regulation of Embryonic Blastocoele Formation and Development in Small Ruminants for the CBG program.

BA, Produce Quality & Safety Laboratory scientist conducted a hands-on one-half day training sessions for 12 undergraduate students from the university's Agricultural Biotech Training Program.

BA, Produce Quality and Safety Laboratory (PQSL) hosted three scientists from VSU and discussed food safety research. This resulted in a professor from the university spending a day with PQSL learning techniques used in bacteriophage research. The PQSL scientist reviewed research project proposal for funding under the Evans-Allen Program. The professor would like to do cooperative research with Beltsville Agricultural Research Center in bacteriophage area.

Facilities and Equipment

Award: \$50

College or University: Langston University

Description of Program or Activity: SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit provided use of microscopic imaging system to professors for their use in cassava tissue culture research. Professors were better able to pursue research investigations and provide information for their teaching programs.

Award: \$500

College or University: Prairie View A&M University

Description of Program or Activity: The Southern Plains Agricultural Research Center, Food and Feed Safety Research Unit donated a Leitz compound microscope complete with camera system and numerous lenses. This resulted in increased microbiological capabilities and enhanced resources for teaching undergraduate and graduate students.

Award: 0

College or University: Xavier University

Description of Program or Activity: During the first quarter FY 2002, researchers from the university visited the laboratory in the MSA, Southern Regional Research Center to use several pieces of high tech equipments.

Fellowships, Internships, Traineeships, Recruitment, and Arrangements under the Intergovernmental Personnel Act (IPAs)

Award: \$4,850

College or University: Alabama A&M University

Description of Program or Activity: MSA scientist was an advisor to a Ph.D. student who graduated in December 2001 and also advised university staff members on tissue culture and genetic transformation procedures as applied to cotton and other crops. ARS scientist visited the university during FY 2001 and presented a lecture on Cotton Improvement through Biotechnology to graduate students and faculty.

MSA scientist advised staff members at the university on tissue culture and genetic transformation procedures as applied to cotton and other crops.

MSA, Genetics and Precision Agriculture unit recruited a university male student for the Student Career Experience Program (SCEP) position.

A scientist from the MSA, Biological Control and Mass Rearing Research Unit provided one SCEP appointment and provided tuition assistance to a male M.S. student. \$4,850

The BA, Alternate Crops and Systems Laboratory worked with collaborators on using crop models as teaching tools in their Graduate program.

Employees from NPA advised two graduate students about seed development and seed testing, consulted with one graduate student on his research on overcoming seed dormancy in *Echinacea purpurea*, and served as a cooperator for the seed science programs at the university Department of Plant and Soil Science.

Award: \$9,000

College or University: Albany State University

Description of Program or Activity: SAA, National Peanut Research Laboratory hired a university student attending the university as a Student Temporary Employment Program (STEP) this summer. The student was a GS-3 Engineering Aide.

\$3,000

SAA, Research Ecologist, Southeast Watershed Research Laboratory hired a university male student as a Physical Science Aide for the summer (GS-3). The student is a computer science major. The laboratory also employed a former ARS Summer Intern from last year as a Hydrology Aide. The Hydrology & Remote Sensing Laboratory, Beltsville, Maryland, provided the student's salary.

\$6,000

Award: \$11,020

College or University: Alcorn State University

Description of Program or Activity: Scientists from the Conservation Research Laboratory, Renewable Energy and Manure Management reviewed summer internship applications and interviewed two students.

\$120

An overview was provided of types of responsibilities and positions available at ARS. Two interns (one from Alcorn State University and one from the University of Puerto Rico) were provided work experiences, tours, meetings, in-house training, and one-on-one mentoring for the purpose of recruiting them into the library field and information science or agriculture. After the experience one of the intern applied for several positions in USDA, Natural Resources Conservation Service, and other federal departments. The second intern will return to the university to pursue an advanced degree. \$2,700

MSA, Southern Insect Management Research Unit hired a 1994 male graduate of Alcorn State University as a permanent full-time Biological Science Technician.

National Agricultural Library hired and housed a summer intern from Alcorn State University. \$8,200

Award: \$140,000

College or University: Delaware State University (DSU)

Description of Program or Activity: ARS supported the Youth Career Enrichment Program at DSU.

Award: \$5,594

College or University: Florida A&M University

Description of Program or Activity: The BA, Food Technology Safety Laboratory hired two Summer Interns.

Award: \$1,500

College or University: Fort Valley State University

Description of Program or Activity: SAA, Southeastern Fruit & Tree Nut Research Unit employed two university females who were hired under the Student Temporary Employment Program to work in the laboratory.

The BA, Immunology and Disease Research Laboratory hired an undergraduate Summer Intern to participate in mastitis research. \$1,500

Award: 0

College or University: Howard University

Description of Program or Activity: The BA, Community Nutrition Research Group, provided community nutrition rotation to two Howard dietetic students.

Award: \$3,484

College or University: Langston University

Description of Program or Activity: The NPA presented a demonstration and delivered copies of Great Plains Framework for Agricultural Resource Management (GPFARM) 2.0 model. This is a farm-scale model to compare alternative management options on net income and impacts on water quality. Collaborative discussions focused on its use of expansion and testing. Groups participating included university teachers, the Extension Coordinator for Small Farms, NPA scientists, the Outreach Program liaison for four Native American state regions, the South East Region Outreach Specialist from the Intertribal Agriculture Council representing tribes in a 10 state region. The Langston University scientists and NPA scientists located at Langston, ARS has a plan to apply GPFARM to the university's data on forage

production in relation to animal growth and economics for the small minority farmers. The scientists are currently collecting the data and the plan is to start this application soon.

Scientists from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit are serving as mentors to a USDA 1890 ARS Scholar. The scholar is working closely with research scientists in the field and laboratory settings gaining experience and insight into the research process. \$400

ARS employees from the Southern Plains participated in Annual Career Fair. Outcome: Provided students with insight into agricultural and science careers. \$400

A scientist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit served as a mentor assisting a biomedical research student with a research project. The student was familiarized with the scientific method, basic laboratory equipment, data collection and analysis, and the student gave a presentation on the results of their involvement in the research at the end of the eight-week period. The student also gained an awareness of some of the research that ARS is conducting.

Scientists from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit served as mentors to an USDA 1890 Scholar on a senior thesis project analyzing the data and writing the report. The scholar gained first-hand experience and insight into the research process. \$600

Scientists from the Grazinglands Research Laboratory, Forage and Livestock Production Research mentored two female students in the Biomedical Research Program on seed germination and seedling growth. The studies will familiarize the students with scientific methods, basic plant management techniques, data collection and analysis, and presentation of results. \$400

SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit recruited and hired two students as Biological Science Aids under the STEP. The students gained experience, skill and exposure to ARS. \$1,684

Award: \$8,094

College or University: Morgan State University

Description of Program or Activity: The BA, Food Technology Safety Laboratory hired two Summer Interns.

Award: \$3,000

College or University: Morehouse College

Description of Program or Activity: SAA, Southeastern Fruit & Tree Nut Research Unit hired a Morehouse College student with a disability for a STEP Summer Intern position.

Award: \$58,050

College or University: Prairie View A&M University

Description of Program or Activity: ARS supported the High School Research Apprenticeship Program at Prairie View. This program host approximately 25 students annually. \$50,000

SPA, Cropping Systems Research Laboratory hired and mentored two female students under the Summer Intern Program. The students were introduced to scientific research as a career choice. \$4,000

The employees from the Southern Plains Agricultural Research Center, Area-wide Pest Management Research Unit participated in the Annual Fall Career Fair. As a result a minority student was recruited and hired as a Biological Science Aid. \$1,500

Employees in the Southern Plains Agricultural Research Center, Food and Feed Safety Research and Area-wide Pest Management Research Units interacted onsite with 25 high school students enrolled in the Research Apprenticeship Program. The students gained valuable first-hand knowledge of research techniques and learned about ARS career opportunities. \$800

A scientist and the Area Equal Opportunity Outreach Coordinator from the Southern Plains Area/Southern Plains Agricultural Research Center, Food and Feed Safety Research Unit represented the Agency at the Research Apprenticeship Program (RAP) closing ceremony with about 150 students, parents, mentors, and administrative officials in the audience. The students obtained an understanding of the importance of the RAP as an introduction to agricultural research and a focus of interest in continuing as research scientist with ARS. \$600

A student presented a summary of his work to program and administrative Area staff while employed as a Summer Intern under the STEP in the Southern Plains Agricultural Research Center, Area-wide Pest Management Research. The presentation demonstrated the positive benefits of ARS support of the Summer Intern Program, and the unit provided a poster of the work conducted to the Area Equal Opportunity Outreach Coordinator for use in recruitment and outreach activities. \$1,000

The two students that participated in the Agricultural Sciences Enrichment Program (ASEP) worked in the Southern Plains Area Office, College Station and Cropping Systems Research Laboratory facilities during the summer. The students gained first-hand research experience, developed a mentoring relationship, and gave presentations on their experience in our facilities. The presentations demonstrated the positive benefits of ARS support of the ASEP. \$150

Award: \$15,485

College or University: South Carolina State University

Description of Program or Activity: SAA, Subtropical Agricultural Research Station hired two (2) students from the university as Student Interns. \$6,000

A scientist in the SAA, Mycotoxin & Toxicology Research Unit employed a former South Carolina Alliance for Minority Participation/ARS Summer Intern (2001) this year for a STEP/Summer Internship position. The student is working on a molecular biology project. Another scientist in the Research Pathologist, Mycotoxin & Toxicology Research Unit is working with another student who is in the South Carolina Alliance for Minority Participation program.

\$3,000

A Research Leader, SAA, Quality Assessment Research Unit, employed a former SCAMP/ARS Summer Intern for a STEP/Summer Internship position. The student graduated from the university in May 2002 with a B.S. in Biology and will be attending the University of Georgia Graduate School in the fall, 2002, pursuing a Ph.D. in Biomedical Science.

\$3,485

A Research Analytical Chemist, SAA, Quality Assessment Research Unit, acquired the services of a senior computer science major at the university. The student is working with the chemist in developing spectroscopic software to assist in the integration of numerous commercial packages. Another student, sophomore mathematics major at South Carolina State University, is also assigned to work on this project. The sophomore is paid through the SCAMP Program.

\$3,000

A scientist from the SAA, Poultry Processing & Meat Quality Research Unit is working with a senior biology major attending Voorhees College.

Award: \$18,000

College or University: Southern University

Description of Program or Activity: Recruited male student in the second quarter, for an Agricultural Science Technician position. The student is a Southern University graduate in Agronomy, working on water quality project and helping to finalize construction, collection of preliminary data, and analysis of data for Soil Scientist and Agricultural Engineers.

ARS scientist from the Food and Feed Safety Research unit served as adjunct faculty member and on the advisory committee of a Ph.D. student. Critical research advice was provided which was essential to the success of certain research projects at the university.

Award: \$3,000

College or University: Tennessee State University

Description of Program or Activity: A scientist from the SAA, Imported Fire Ant & Household Insects Research Unit, Center for Agricultural, Medical and Veterinary Entomology, employed a student from the university in a Summer Internship/STEP position.

Award: \$23,848

College or University: University of Arkansas-Pine Bluff

Description of Program or Activity: SPA, research leader from the Aquaculture Systems Research Unit served as thesis committee chair for a female graduate student in the Aquaculture/Fisheries Masters of Science Program. Impact: Student will successfully complete Master of Science degree.

\$5,434

SPA, Aquaculture Systems Research Unit recruited and hired two students as Biological Science Technicians on the STEP. The students gained invaluable research experience and a

better understanding of ARS as it relates to agricultural and science. The research unit successfully utilized students to accomplish its mission. \$7,616

SPA, Dale Bumpers National Rice Research Center recruited and hired a university student as a Biological Science Technician. The student gained invaluable research experience and a better understanding of ARS as it relates to agricultural and science. The research unit successfully utilized a student to accomplish its mission. \$3,645

SPA, Dale Bumpers National Rice Research Center recruited and hired a student as a Biological Science Technician on the STEP. The student gained valuable first-hand experience in research lab and advised of career choices in agricultural and agriculture sciences. \$7,153

Award: \$27,172

College or University: University of Maryland – Eastern Shore

Description of Program or Activity: A university student (Student Career Experience Program) work with the Civil Rights Staff, HQ.

Award: 0

College or University: Xavier University

Description of Program or Activity: MSA scientist was an advisor to B.S. students on molecular biological and enzymological procedures. Also collaborated on a joint proposal to National Science Foundation that has been funded for a three-year research project on fungal secondary metabolism.

Student Tuition Assistance, Scholarships, and Other Aid

Award: \$5,356

College or University: Delaware State University

Description of Program or Activity: ARS support for USDA 1890 Scholar

Award: \$14,825

College or University: Florida A&M University

Description of Program or Activity: ARS support for USDA 1890 Scholar

Award: 2,992

College or University: Langston University

Description of Program or Activity: ARS support for USDA 1890 Scholar

Award: 5,300

College or University: Southern University

Description of Program or Activity: ARS support for USDA 1890 Scholar

Private Sector Involvement

Award: 0

College or University: Alabama A&M University

Description of Program or Activity: The MWA, National Soil Tilth Research Laboratory has developed an agreement with Monsanto to support the training of students from 1890

Institutions in farming systems research. Students will evaluate soil management and conduct environmental quality research at the National Soil Tilth Research Laboratory.

Administrative Infrastructure (AI)

Award: \$400

College or University: Langston University

Description of Program or Activity: Scientist from the SPA, Grazinglands Research Laboratory, Forage and Livestock Production Research Unit assisted the Langston Outreach Department Economist with developing a revised questionnaire for a survey of problems and practices on resource-poor livestock farms. The Outreach Field Agents applied the revised questionnaire to assist the target population of small and resource-poor livestock farmers. The survey updated a 1999 study and provided additional details on current farming practices, farming objectives and problems the target population experienced.

Award: 0

College or University: Mississippi State University

Description of Program or Activity: A scientist from the MSA, Biological Control and Mass Rearing Research Unit presented a lecture to the Aquatic Entomology class on the topics of USDA, ARS, and National Sedimentation Laboratory entomology. The lecture included information about job opportunities in agriculture as well as other subjects.

Award: 0

College or University: Southern University

Description of Program or Activity: During the first quarter, MSA scientist delivered a keynote address on the present status of agricultural biotechnology in the USA at a workshop on "Agricultural Biotechnology and Recruitment Strategies for the 21st Century."

Discussions we held on the establishment on a student program at Southern Regional Research Center from grant funds received by the university.

Award: 0

College or University: Virginia State University (VSU)

Description of Program or Activity: The National Program Staff (NPS) hosted a visit from the Director of Plant Biotechnology, VSU to discuss opportunities for collaboration. The director works with small acreage Virginia farmers and has an interest in identifying alternative crops to tobacco. NPS provided an overview of ARS genetics and germplasm research, and suggested potential projects.

Other

Award: In-kind

College or University: Alabama A&M University and Alcorn State University

Description of Program or Activity: MSA, Genetics and Precision Agriculture Research Unit have written a Natural Resource System grant with Alabama A&M University and Alcorn State University. The grant was submitted during September 2002. The grant is entitled: Genetic Resources for Functional Genome Mapping in Cotton.

Award: In-kind

College or University: Morgan State University

Description of Program or Activity: As a result of the April 2002 workshop, Morgan State has requested that the licensing staff from ARS, Office of Technology Transfer present a workshop at the university to help with their new Technology Transfer/Licensing Program.

Award: In-kind

College or University: Tuskegee University

Description of Program or Activity: A senior student and a scientist from Tuskegee University met with two members of MSA, National Soil Dynamics Laboratory research staff to discuss graduate schools for environmental science studies and career opportunities.

Award: \$5,000

College or University: University of Arkansas, Pine Bluff

Description of Program or Activity: MSA, Biological Science, Research Technician chaired the 28th Youth Motivational Task Force. The youth spent a week at the university where they received briefings on career guidance, interviewing skills, resume writing, and employment opportunities. High visibility was given to USDA, ARS as a career goal to over 3,500 students. The MSA location was awarded the Gold Sponsorship for the highest supporter at the university for the 2002 program.

Award:

College or University:

Description of Program or Activity: In the BA, fifty-two students from diverse groups participated in the 2002 Research Apprenticeship and Summer Intern Programs.

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE

The Cooperative State Research, Education, and Extension Service (CSREES) is committed to enhancing partnerships with Historically Black Colleges and Universities (HBCUs) so that they may assist in the continued improvement and success of the Food and Agricultural Science system. CSREES works primarily with the 1890 Land-Grant Institutions because they provide academic and research programs in the food and agricultural sciences. In FY 2002 over \$94 million were awarded to HBCUs by CSREES.

The Second Morrill Act of 1890 established what are known today as Historically Black 1890 Land-Grant Institutions. These sixteen Historically Black Land-Grant Institutions and Tuskegee University (a private institution which has espoused the Land-Grant philosophy throughout its history) are collectively called the 1890 Institutions. In FY 2000 West Virginia State University was included as one of the 1890 Land Grant Universities.

One exemplary program administered by CSREES is the Fellows Program, which reflects the USDA commitment to advancing its relationship with the 1890 Institutions, as well as the land-grant institutions in American Samoa, the District of Columbia, Guam, Micronesia, Northern Marianas, Puerto Rico, and the Virgin Islands. The program offers faculty and staff affiliated with these institutions an opportunity to work in CSREES for three summer months to gain experiences which serve to foster the Fellows professional growth, thereby

strengthening the quality of land-grant programs and fostering work force diversity. During FY 2002, one of the five faculty members was from an 1890 Institution.

PROGRAMS AND ACTIVITIES

Evans-Allen - The Evans-Allen program is one of the formula programs administered by CSREES. The program was established in the Food and Agriculture Act of 1977. Section 1445 of P.L. 95-113 authorized annual appropriations to support continuing agricultural research at the 1890 Institutions. The program provides non-earmarked funding for research in food and agricultural sciences. These formula funds provide nearly 100 percent of the agricultural research funding at the 1890 Institutions. Through this program, nationally recognized research programs are administered by scientists at 1890 Institutions. The program provides an opportunity to introduce students underrepresented in food and agricultural sciences to research and careers in research, and serves as a vehicle to recruit such students into the food and agricultural sciences graduate programs (M.S. and Ph.D.) administered by these institutions, as well as other institutions committed to the land-grant tradition.

Hatch Act - The Hatch Act formula funds support research on all aspects of agriculture, including soil and water conservation and use; plant and animal production, protection, and health; processing, safety, marketing, and utilization of food and agricultural products; forestry, including range management and range products, multiple use of forest and rangelands, and urban forestry; aquaculture; family and consumer sciences; human nutrition; rural and community development; sustainable agriculture; molecular biology, and; biotechnology. Research is conducted on problems of local, State, regional, and/or national concern.

McIntire-Stennis - The McIntire-Stennis Cooperative Forestry Program formula funds support research to facilitate wise choices in the utilization of the Nation's forest resources.

Animal Health - The Animal Health and Disease Program formula funds improve the health and productivity of animals and the welfare of producers and consumers of animal products.

Special Research Grants - CSREES administers a program of Special Research Grants for the purpose of conducting research to facilitate or expand promising breakthrough in areas of the food and agricultural sciences important to the United States. Special Research Grants are awarded on a competitive, as well as a discretionary, basis.

National Research Initiative - This is a major extramural competitive research grants program, supporting high priority, mission-linked research through projects focusing on the development of integrated production, processing, and distribution systems for generation of high value products, with an emphasis on local production and processing.

Sustainable Agriculture Research and Education (SARE) - SARE funds are used to support research and education projects designed to provide farmers and others with reliable, practical information on sustainable farming opportunities and practices.

1890 Institution Teaching and Research Capacity Building Grants Program - This competitive grants program serves as the crux of the Department's high priority initiative to advance the teaching and research capacity of the 1890 Institutions. This program is intended to strengthen

teaching and research programs in the food and agricultural sciences by building the institutional capacities of the 1890 Institutions through cooperative initiatives with Federal and non-Federal entities. It seeks to address the need to (1) attract more minority students into the food and agricultural sciences and (2) expand linkages among the 1890 Institutions to more firmly establish them as full partners in the food and agriculture system. In fiscal year 2002, 147 proposals were received, representing a total funding request of approximately \$37 million. These included 99 research proposals and 48 teaching proposals. Funding available for FY 02 was more than \$9.4 million. 24 teaching and 17 research projects were funded through use of FY 02 funds.

Smith-Level Sections 3b&c - Federal contributions for cooperative extension work are primarily derived from Section 3b&c formula funds appropriated under the Smith-Lever Act of 1914. These funds are used mainly to fund Extension Base Programs. The Base Programs are major educational efforts with the wider community that are central to the mission of the Cooperative Extension System and common to most Extension units.

Section 1447 Facilities - Funding was initiated by Congress in fiscal year 1993. In 2002, funds were awarded to continue to support facilities improvement and acquisition programs at the 1890 Institutions under the current Farm Bill.

CATEGORY NARRATIVES

Research and Development. Hatch Act funds were used to support projects at the University of the District of Columbia and the University of the Virgin Islands. The University of the Virgin Islands also received funding for McIntire-Stennis

Under Evans-Allen Research program Langston University scientists studied post weaning growth and harvest traits of Boer x Spanish, Spanish, and Boer x Angora wethers consuming a concentrate-based diet. At Florida A&M University, scientists are studying the sulfur cycle in wetlands to determine the environmental implications to fresh water. Sulfur is an indication of heavy metal and acid pollution potentials and is useful for environmental assessment of dredged sediments from wetlands, rivers and lakes. Soil and water quality modeling are being used to evaluate management practices for grain and vegetable production at North Carolina A&T State University. Data collected will be used in simulation models to improve predictions of erosion and water quality under various tillage practices.

Federal Administration funds totaling \$619,754 were appropriated to Mississippi Valley State University for curriculum development and strengthening the food and agricultural sciences.

Eighteen proposals were awarded funding under the research authority of the Capacity Building Grants Program. Awards include: Poultry Litter Effects on Soil Microbial Community Structure and Enzyme Activities of the Phosphorus Cycle at Alabama A&M University; Studies on the Spread and Possible Existence of Intra-specific Variation of the Sweet Potato Weevil in the Southern United States at Tuskegee University; Identification of DNA Sequences from Grape for Pierce's Disease Tolerance at Florida A&M University; Harnessing Agri-Biotechnology to Establish Scutellaria as a Medicinal Crop at Fort Valley State University; Development of Low-cost Water Filtration Systems using Nutshell-based Activated Carbons at North Carolina A&T State University; and, Regulation of Embryonic Blastocoele Formation and Development in Small Ruminants at Virginia State University.

Training. The Food and Nutrition Summer Institute provides cutting edge training experiences for food and nutrition faculty and students at HBCUs. In its fifth year, the Summer Institute was held at Alabama A&M University with the focus of improving the public health and general well-being of peoples of African descent by 1) positioning food and nutrition programs at HBCUs to meet the research, education, workforce and outreach challenges for the 21st Century and 2) creating stronger voices and vehicles for action for nutrition education, research and policy formation benefiting communities served by HBCUs. Funding was provided to support the Annual Goat Day Workshop at Prairie View A&M University. The agency supported the Professional Agricultural Workers Conference held at Tuskegee University as well as providing support to the Biennial Research Symposium held for researchers from all 1890 Institutions.

In addition, funds were provided to South Carolina State University to work collaboratively with Tennessee State University to hold a workshop for methods of collaboration between the 1890 Institutions and the 1994 Institutions in November 2001. Projects are currently being pursued under additional funding authorities from collaborative ideas generated during the meeting. Virginia State University hosted a one day conference on the back of 2002 National HBCU Week to discuss opportunities for HBCUs to become more involved in collaborative efforts with federal agencies to showcase their expertise in research and outreach activities that can be utilized in overseas communities.

Facilities and Equipment. \$13.5 million were appropriated to the 1890s for facilities improvement. One significant activity was the completion of the research and extension complex at Southern University which includes telecommunications equipment with graphic, television and distance learning components and more than 20 research labs. A livestock arena was also completed on the Southern campus which will greatly enhance the university's capability to conduct research and extend extension programs.

Fellowships, Internships, Traineeships, Recruitment, and IPAs. Twenty-five teaching projects were awarded funds under the 1890 Capacity Building Grants Program. Several exemplary projects include: Integrating Lecture and Experiential Learning to Empower Students with Advanced Analytical Skills in Food, Nutrition, and Agricultural Sciences at Tuskegee University; Development and Testing of a Dietetic Experiential Learning and Peer-Tutoring Program at University of Arkansas-Pine Bluff; Instructional Delivery Systems in Agriculture Education at Delaware State University; Food and Agricultural Sciences Research Apprenticeship Program for Community College Graduates at Southern University; Enhance Learning through Development of Online Courses and Materials at University of Maryland-Eastern Shore; Reaping the Benefits of Investments in Genomics for Generating High Tech Minority Workforce at Alcorn State University; Development of Internet-Based Education for Bio-Based Product Information: Preparing Students for Careers in Agriculture at Tennessee State University; and Globalization of Virginia State University's Agricultural Programs by Training Faculty in Instructional Technology at Virginia State University.

During FY 2002, four students from the 1890 Land-Grant System participated in the 1890 Scholars Program at CSREES.

A faculty member from the University of Maryland-Eastern Shore was provided a scholarship to participate in the NASULGC ACOP/ESOP Leadership Development training. The program is designed to develop future leaders in the food, agriculture and related sciences.

Direct Institutional Support. Base extension funds are provided to the 1890 land grant institutions through Smith-Lever and Federal Administration formula funds. As a land-grant institution, the University of the District of Columbia also receives base funds. In addition to base funds for the University of the Virgin Islands, funds were provided for projects in Pest Management, Farm Safety and EFNEP (Expanded Food and Nutrition Education Program). West Virginia State established an EFNEP learning center to increase literacy and technology to K-12 participants and the community at large in Kanawha County. The learning center provides children with a safe haven in a high risk area for substance abuse, low education levels and poverty.

Under the 2002 Renewable Resources Extension Act, a total of \$180,000 was provided to the 1890 Land-Grant Institutions for forestry, fisheries and wildlife and range extension programming. The foci for FY 2002 were private forest and range landowner data base development, forestry and range cooperatives, best management practices and volunteer ambassador networks. An additional \$20,000 of agency funds was granted to Florida A&M University for the second phase of the national forest fragmentation curriculum project.

Other. CSREES provided its portion to fund the 1890 Liaison positions.

As the USDA liaison to the White House Initiative for Historically Black Colleges and Universities, staff played a major role in the inception of the Millennium Awards program for researchers and teachers in science and technology. Through the efforts of 9 federal agencies, a national awards program was created to recognize outstanding teachers and researchers in the fields of mathematics, science, engineering and technology at Historically Black Colleges and Universities. Two individuals from HBCUs were selected for recognition during National HBCU Week in September, 2002 and the Secretary of Agriculture published the press release for this national event.

ECONOMIC RESEARCH SERVICE

A major goal of the Economic Research Service is to increase the diversity of the academic disciplines of agricultural economics and economics. As a research institution, ERS hires mostly economists with proven research experience, often demonstrated by completion of a Ph.D. Yet the pool of agricultural economists and economists at that level of expertise has very low minority representation. To change that situation, the agency has adopted a multi-faceted strategy, whose real pay-off in terms of a more diverse ERS workforce will be long term. However, encouraging results are beginning to be clearly visible. ERS contacts and cooperation with the Historically Black Colleges and Universities have contributed significantly toward achieving those results.

In 2002, ERS continued its varied efforts to encourage minority students to pursue further education in economics and ultimately to consider ERS as possible employer. ERS supported four 1890 National Scholars, one each at Ft. Valley State University and Tennessee State University, and two—one of them new—at South Carolina State University. The students at Tennessee State and Ft. Valley worked for ERS as summer interns. In addition, with the help of Southern University faculty, ERS continued working with its fourth BAYOU student at Southern for whom the agency provided a full scholarship. The student is majoring in

agricultural economics and will be graduating in the fall of 2002. A Howard University graduate now in an economics Ph.D. program at MIT worked as a summer intern. A current Howard University student working toward a Ph.D. in economics was also a 2002 summer intern. In FY 2002, there was evidence that the ERS strategy of using internships to encouraging minority students to pursue economics education is working. ERS hired an African American student who was a former ERS summer intern and had just completed his Ph.D.

ERS has major funding for the Food and Nutrition Research Program (FANRP) aimed at supporting research projects that further USDA's food assistance programs. In 2002, ERS provided \$30,000 in funding for FANRP research at Clark-Atlanta University on developing household food security measures. ERS economists are also working on a new cooperative research project with Florida A&M University, providing \$15,000 for estimation of sheep and goat meat price equilibria. In addition, ERS continued funding for staff participation in a guest lecturer series at Tennessee State University and in Tuskegee's Professional Agricultural Workers Conference. And it provided \$10,000 in support for Tuskegee's annual Professional Agricultural Workers Conference. Establishing research relationships of this kind not only contributes to the conduct of important research—the central goal—but also enables ERS to seek interns at those institutions, to contribute to student and faculty development, and to improve possibilities for further collaboration.

In FY 2002, ERS staff and Virginia State University faculty completed a report that grew out of a long-term research project involving four HBCUs. *Investing in People: Assessing the Economic Benefits of 1890 Institutions* examined the USDA funding provided to 1890 institutions over time; discussed the outcomes of these investments and potential measurable indicators of these outcomes; and outlined a conceptual model for estimating returns to investment in education tailored to the specific characteristics of the 1890's. The 1890 land grant universities (1890's) have developed teaching, research, and extension programs that reach historically underserved students and communities. Though many past studies described the programs of the 1890's, there had been no systematic effort to measure the contributions of the 1890's to human capital development and improving the well-being of the rural population..

RESEARCH AND DEVELOPMENT

Award: \$30,000

College or University: Clarke-Atlanta University

Description of Program or Activity: Support for cooperative research on "Developing Household Food Security Measures"

Award: \$3,000

College or University: Tennessee State University

Description of Program or Activity: Funding for ERS staff participation in an ERS/Tennessee State University guest lecture series aimed at enhancing the research relationship between the institutions and encouraging student development in agriculture and food sciences and economics.

Award: \$12,000

College or University: Tuskegee University

Description of Program or Activity: Funding for Tuskegee's Professional Agricultural Workers Conference and participation of ERS economists.

Award: \$15,000

College or University: Florida A&M University

Description of Program or Activity: Funding for cooperative research on estimating sheep and goat meat price equilibria

FELLOWSHIPS, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT, AND IPAs

Award: \$7,000

College or University: Ft. Valley

Description of Program or activity: Summer internship for an 1890 Scholar

Award: \$6,000

College or University: Tennessee State

Description of Program or Activity: Summer internship for an 1890 Scholar

Award: \$7,000

College or University: Howard University

Description of Program or Activity: Summer internship

STUDENT TUITION ASSISTANCE, SCHOLARSHIPS, AND OTHER AID

Award: \$8,000

College or University: Southern University

Description of Program or Activity: Scholarship support for an agricultural economics major

Award: \$6,000

College or University: Ft. Valley State

Description of Program or Activity: Support for an 1890 Scholar

Award: \$14,000

College or University: South Carolina State

Description of Program or Activity: Support for two 1890 Scholars

Award: \$5,000

College or University: Tennessee State University

Description of Program or Activity: Support for an 1890 Scholar

NATIONAL AGRICULTURAL STATISTICS SERVICE

In fiscal year 2002, the National Agricultural Statistics Service (NASS) supported and funded a variety of activities involving several Historically Black Colleges and Universities (HBCUs). NASS allocated and spent a total of \$15,500 to support two USDA 1890 National Scholars Program participants enrolled at Prairie View A&M University and at Fort Valley State University, respectively, during FY 2002.

NASS officially participated and conducted recruitment activities at the 2002 National Association for Equal Opportunity (NAFEO) in Higher Education Conference held in Washington, DC, and paid \$2,370 for the recruitment booth space and other related expenditures. NASS also granted \$2,000 to Southern University at Baton Rouge, Louisiana, to support the Beginning Agricultural Youth Opportunity Unit (BAYOU) Program which hopefully will result in an increase in the number of students qualified to become agricultural statisticians. In addition, NASS also contributed a total of \$22,332 to the Department to cover the Agency's prorated cost to support USDA's 1890 Historically Black Colleges and Universities Leadership Group and its respective activities (including the 1890 Liaison Officers Program) in FY 202

Under the USDA Capacity Building Grant Program, NASS continued to be actively involved as a cooperating agency with the following seven 1890 Historically Black Colleges and Universities: Alabama A&M University, Alcorn State University, Florida A&M University, Langston University, North Carolina A&T State University, South Carolina State University, and Tennessee State University.

Fellowships, Internships, Traineeships, Recruitment, and IPAs

Award: \$8,000

College or University: Fort Valley State University (\$4,000) and Prairie View A&M (\$4,000)
Description of Program or Activity: Salaries paid to two HBCU students.

DEPARTMENTAL ACTIVITIES

The Departmental Offices and Executive Operations provide leadership, coordination and support for all administrative and policy functions of the Department. These offices are vital to USDA's success in providing effective customer service and efficient program delivery. Salaries and benefits often comprise 90 percent or more of these offices' budgets, leaving them little flexibility to reduce other expenditures needed to continue their operations.

GOALS AND MEASURABLE OBJECTIVES FY 2002:

1. GOAL: Continued partnership with HBCUs through participation in the 1890 National Scholars Program, summer employment program, and other academic and career-oriented program initiatives.

MEASURE: Increased award of 1890 National Scholarships and participation in the 1890 Task Force initiatives.

2. GOAL: Increase the transfer of excess personal property (Office of Procurement and Property Management) to 1890 Land Grant Institutions and other HBCUs via the current governing laws.

OUTCOMES AND EFFECTIVENESS FY 2002:

Departmental Administration continues its ongoing partnership and support of HBCUs via the 1890 National Scholars Program (Office of Operations and Office of Civil Rights); donations of excess personal property (Office of Procurement and Property Management), as well as summer employment throughout its staff offices. This past summer, Office of Operations had its summer hire from North Carolina A&T State University return for employment. The 1890 National Scholars were provided assistance to attend the MANRRS conference in April 2002.

School	Fellows	SFA	TPA
Kentucky State (OO-1890)	\$4930	\$14901	1000
Maryland Eastern Shore (OO-1890)	\$5594	14179	1000
North Carolina A&T (OO-Intern)	\$6837		
Virginia State (OO-1890)		6027	
Delaware State (OCR-1890)	16310	19462	1000

OFFICE OF THE CHIEF FINANCIAL OFFICER

Under Executive Order 12677, the National Finance Center became a signatory to a Master Memorandum of Agreement (MMOA) in conjunction with several other Federal agencies and all the local HBCUs. These include Dillard University, Southern University (New Orleans and Baton Rouge campuses, SUNO and SUBR respectively), and Xavier University. As a result of the partnership established by the MMOA, the NFC established several programs that have enhanced its relationship with local HBCUs.

During Fiscal Year (FY) 2002, the total funding for HBCUs was \$119,695. This is an increase of \$16,229 over FY 201 assistance to HBCUs. The funding for FY 2002 was primarily student salaries and career day activities. Traditionally, NFC donates furniture and equipment to HBCUs. IN FY 201, \$1, 335 in furniture was donated to SUBR. There were no actual donations of this kind in FY 2002; however, the offer was made to SUBR. Also during FY 2002 NFC had an additional HBCU student from Florida A&M University.

Training

- Workshops for students and faculty members on Federal employment opportunities and application procedures.
- Internal training opportunities for students in such areas as end-user software techniques, management development, EEO/Diversity Awareness and Career Development

Facilities and Equipment

- Donate surplus furniture, computers, printers and other automated data processing equipment under the authorities of 7 CFR 2812 when available and possible.

Fellowships, Internships, Traineeships, Recruitment and Arrangements under the Intergovernmental Personnel Act (IPAs)

- Participate in local HBCU career fairs conferences, and other activities when available to explore student and career conditional employment possibilities and enhance outreach efforts.
- Participate in the Youth Motivation Task Force Programs (YMTF) sponsored by SUBR and Xavier Universities.
- Include HBCU students in consideration for summer internships and the Outstanding Scholar Program.
- Continue to invite HBCU faculty and students to NFC's Annual Technology Fair and conduct a "Day at NFC" career fairs to inform students of NFC's mission and Federal employment opportunities when security procedures allow such visitor groups admittance to the facility.